

PUBLIC HEALTH REPORTS

VOL. 35

DECEMBER 31, 1920

No. 53

PROGRESS REPORT ON FIELD INVESTIGATIONS IN CHILD HYGIENE IN THE STATE OF MISSOURI TO JUNE 30, 1920.

By C. P. Knight, Passed Assistant Surgeon, United States Public Health Service.

In the summer of 1919 a preliminary conference was held between a representative of the United States Public Health Service and a representative of the Missouri State board of health relative to the Federal Government's aiding the State in child hygiene activities. As a result of this conference a letter was written by the acting governor of the State and resolutions were adopted by the State board of health requesting that the United States Public Health Service render assistance in creating a division of child hygiene and give such aid in the project as circumstances would warrant.

The writer was detailed, in October, 1919, to cooperate with the State board of health in investigations in child hygiene and to make a study of the work of the division of child hygiene of the State board of health. Headquarters were established in the offices of the State board of health in the State capitol at Jefferson City.

Purpose of Proposed Investigations.

The United States Public Health Service purposed to carry on field investigations in order to obtain data relative to maternal and infant mortality and to study conditions influencing the mortality rate; to make investigations to insure proper standards for medical inspection of school children, with its attendant follow-up work; health supervision of expectant mothers, infants, and children of preschool age, and the establishment of child health centers; to advise with representative citizens of local communities and stimulate them to provide needed facilities for child health work problems; and to organize a division of child hygiene in the State board of health under the existing law. By a legislative act in 1919 a division of child hygiene had been created for the State, but no appropriation was provided for effecting the organization or for its cooperation with other organizations.

Cooperation with Other Organizations.

It was realized that efficient results could be obtained only by coordinating all existing health agencies that were working or contemplating working in child hygiene with the field force of the United States Public Health Service. Accordingly, conferences were held at the start with representatives of various volunteer organizations. These conferences resulted in outlining a policy which gave all organizations definite functions delimiting the field of their special activities, and securing their agreement to cooperate through the Public Health Service with the constituted health authorities of the State.

It became the duty of the Missouri Tuberculosis Association to detail field agents for organizing purposes and to assist in State-wide publicity.

The American Red Cross agreed to furnish nurses for district, clinic, and health center work.

The Agricultural Extension Service of the University of Missouri detailed its home demonstration agents to conduct or assist in the conduct of nutrition clinics in schools.

The Parent-Teachers' Association lent valuable aid in volunteer work in the schools, assisting the school workers.

The W. C. T. U. furnished the division with a multigraph outfit and developed, in connection with the work of the child hygiene division, the "Big Sister to the Expectant Mother" idea.

The medical and dental professions gave valuable aid in the physical examinations of school children and donated time to clinics and health center work.

In a number of local communities central health committees were formed. These committees were composed of local representatives of State organizations of a number of nonofficial health agencies. The success of the work has largely been due to the help secured through these committees.

UNITED STATES PUBLIC HEALTH SERVICE.

The field force of the Public Health Service, though subject to change from time to time, as circumstances warranted, in the main comprised—

One commissioned medical officer in charge of child hygiene field investigations in the State, who served as director of the division of child hygiene, State board of health.

Seven acting assistant surgeons (women physicians trained in child hygiene).

Six public health nurses.

Four school workers.

Eight schedule takers (field investigators in house-to-house canvass).

December 31, 1920.

AMERICAN RED CROSS.

Cooperating actively with the Public Health Service, the southwest ern division of the American Red Cross placed at the disposal of the service its public health nursing service. Great effort was made by this organization to place nurses in the field. A canvass of the nursing situation showed only four public health nurses in the State. It is worthy of note that by the end of the fiscal year there were on duty throughout local communities 20 Red Cross nurses, specially trained in public health work, devoting all their time to child hygiene activi ties. This organization has detailed to the State board of health a highly trained public health nurse as State supervisor of nurses. It has also detailed four well-qualified nurses as district supervisors.

MISSOURI TUBERCULOSIS ASSOCIATION.

The secretary of the Missouri Tuberculosis Association acted as associate State director of the division of child hygiene of the State board of health. This organization detailed three of its personnel as field organizers and furnished an experienced field investigator for a county survey in rural schools.

UNIVERSITY OF MISSOURI.

Through its agricultural extension service, the University of Mis souri rendered valuable aid in conducting nutrition clinics for children. The chiefs of home economics and extension economics divisions acted as general supervisors over their own field forces, which cooperated actively with the Service. Fourteen home demonstration agents, trained in nutrition work, were detailed in as many counties. Four nutrition specialists acted as district supervisors, giving attention to special problems.

PARENT-TEACHERS' ASSOCIATION.

The parent-teachers' associations gave financial aid to local com munities and did valuable work assisting the school workers.

WOMAN'S CHRISTIAN TEMPERANCE UNION.

Through the Woman's Christian Temperance Union great aid is being rendered communities. It is agreed that, through its local union, layettes and comfort kits would be furnished on application to expectant mothers. Through the good offices of the president, a multigraph was furnished the State division of child hygiene.

MEDICAL AND DENTAL PROFESSIONS.

Through the central health committees the services of members of these professions were secured for assisting and supplementing the work of the service physicians in school examinations and health center work.

LOCAL CHILD HEALTH COUNCILS.

These councils cooperated closely with the field parties in all activities. They were instrumental in establishing health centers on a permanent basis and in employing public health nurses.

Scope of the Work.

On account of the extent of territory to be covered and limitation of funds for the project, the investigations were confined to those localities which offered the best prospects of establishing the work on a self-sustaining basis. It was contemplated that investigations would be made only in cities of 3,000 population or more, exclusive of the largest three cities of the State. No attempt was made to carry on investigations in rural districts except in isolated instances herein-after reported.

From the inception of the work to June 30, 1920, the projects undertaken were as follows:

- (1) Field investigations, consisting of house-to-house canvass to determine the percentage of birth registration, and to obtain data relative to the sanitary condition of the home, to milk supply, relative income, and the relationship between prenatal influences and maternal and infant mortality.
- (2) School hygiene studies, consisting of monthly height and weight taking, physical examinations, followed by an attempt to secure the cooperation of parents for the correction of physical defects, and the holding of nutrition clinics for underweight children.
- (3) Establishing health centers for prenatal, infant, and pre-school clinics.
- (4) Placing the work on a permanent basis by obtaining at local expense one or more community public health nurses and school nurses and by forming community health councils.
- (5) Public health education by lectures, exhibits, and the distribution of literature and newspaper feature articles.

General Results.

To date (October, 1920) 25 cities have had a school survey, consisting of height and weight taking, physical examinations (with at-

tendant follow-up work to obtain the correction of physical defects), and the establishment of nutrition clinics.

In 21 cities, health centers are being, or have been, established and equipped, and funds have been appropriated for the employment of a permanent community nurse.

Four counties were selected as centers of intensive investigations, the staff acting primarily as a whole-time county organization. Each unit consists of a physician trained in public health work, and especially child hygiene, two or more public health nurses—nutrition specialists—and trained school workers and field investigators. In these counties the full program has been commenced.

JASPER COUNTY.

The personnel in Jasper County was as follows: One assistant surgeon, on duty in this county as county health officer, acted as local director; one acting assistant surgeon; one public health nurse; one school worker; and two field investigators.

Investigations were carried on in three cities in this county, namely, Joplin, Carthage, and Webb City. School surveys with its attendant follow-up work were made in all three cities.

A complete house-to-house canvass was made in Webb City and in two representative school districts in Joplin. The investigations and demonstrations led to the establishment of two health centers and the employment of three public health nurses.

GREENE COUNTY.

The personnel was as follows: The acting assistant surgeon assigned to direct the field investigations in this county also served as the county health officer and was assisted by one public health nurse, one school worker, and two schedule takers. Through the excellent cooperation of the local medical profession, an intensive school survey was made in the city of Springfield and of the greater part of the rural schools of the county.

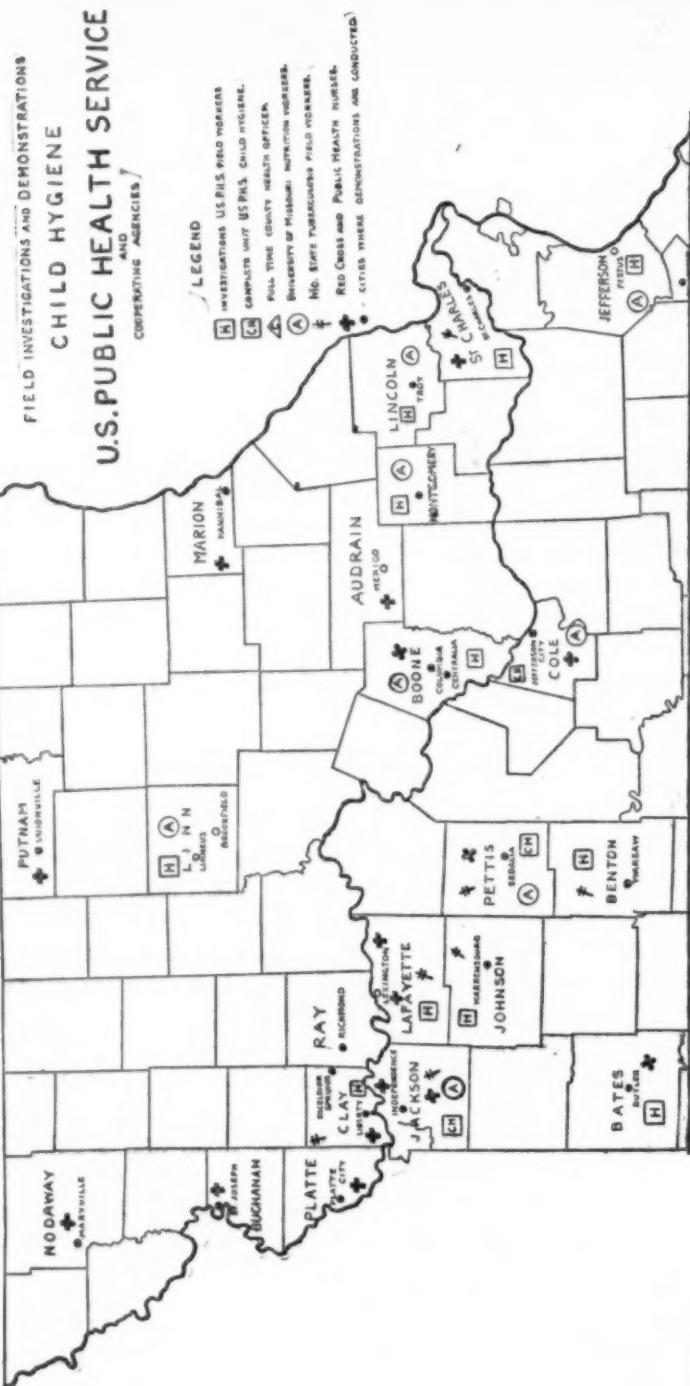
A house-to-house canvass was made in two representative school districts.

A "baby-week" demonstration was also held, and a baby health center is now in operation in Springfield.

This county, a very progressive one, raised \$30,000 for health work, a great part of which has been spent in child health conservation.

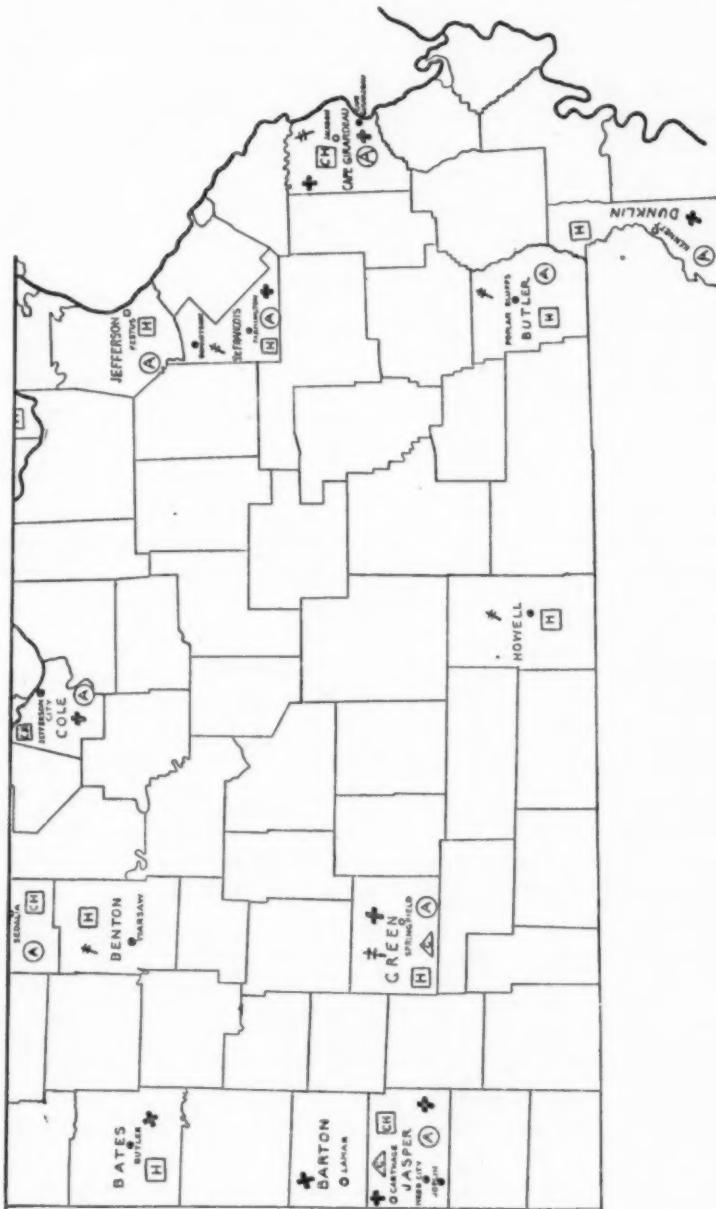
CAPE GIRARDEAU COUNTY.

A unit was detailed to this county with headquarters in the largest city. The personnel was as follows: One acting assistant surgeon; one school nurse; three schedule takers; and one public health nurse.



December 31, 1920.

A house-to-house canvass was made in Cape Girardeau City and one in Jackson, the county seat. At the beginning of the work the school authorities had in their employ a school nurse. The demon-



stration convinced the health committee of the desirability of securing another nurse. Since the close of the schools the two nurses have been engaged in follow-up work and health center activities.

PETTIS COUNTY.

A unit was established with headquarters in Sedalia and with the following personnel: One acting assistant surgeon, one public health nurse, one school worker, and three schedule takers.

The acting assistant surgeon also had supervision of activities in the surrounding counties.

Activities were carried on in Sedalia, Warrensburg, and Lexington, and consisted of school surveys, schedule taking, and the formation of health centers. In Lexington and Sedalia community health centers were formed by the local committee and a public health nurse was employed. In Warrensburg funds were appropriated for the employment of a whole-time school nurse.

SCHEDULE TAKING.

In those cities where Public Health Service units made intensive investigations, field investigators, i. e., schedule takers, were detailed to make a complete house-to-house canvass of the town and, in some instances, to make a canvass of the homes in two or more representative school districts. The house-to-house canvass was made to determine, if possible, the percentage of birth registration and to obtain data relative to the sanitary condition of the home, the amount of milk used, and relative income, with its bearing on the physical condition of the children and infant mortality. Special studies of the relationship between prenatal influence and infant mortality are also under way. This procedure served as an excellent health education movement; parents displayed much interest in the work and, as a rule, unhesitatingly cooperated with the investigators in giving correct information. Valuable data were obtained, which led to better health supervision of large numbers of infants and young children. Many instances are recorded where improper habits in eating and sleeping were corrected, much to the benefit of the children.

In many cases the schedule taking was the entering wedge for the school and community nurse.

SCHOOL HYGIENE.

School hygiene work was started in those cities that seemed most nearly ready to undertake the work, and where public sentiment was in accord with the movement, but where no organized work had been done.

On request of the school authorities a field party, consisting of a physician, a public health nurse, one or more school workers, and a nutrition specialist, was detailed to make the survey in the given city.

The work usually was started by weighing and measuring the children in the school. This was an easy approach, as it did not antagonize anyone and served to interest the children and their parents in other forms of health work. The results of the weighing and measuring were made known to the children, and friendly rivalry ensued as to which child would reach average weight first. Talks were given to the children and to parent-teacher associations, explaining that when a child was underweight it was due to some underlying condition which might be a physical defect or faulty habits of living. Mothers were particularly invited to attend these lectures and informal conferences. It was made clear to them that an effort would be made to determine the cause of malnutrition in individual cases. They were requested to allow the children to be physically examined for this purpose and were invited to be present at such examination.

In a few instances the physical examinations were made by Service representatives, but as a rule they were done by local physicians so as to enlist their interest and cooperation and insure the permanency of the work. The local physicians and dentists were divided into teams consisting of two physicians and one dentist, one team working each day. In this way the examinations were made in a short time.

After the examinations were completed notices were sent to the parents regarding the results, with the suggestion that the physical defects, where such were found, be given attention by the family physician or dentist. An effort was then made to have the community employ a public health nurse to do the follow-up work. This work consisted chiefly in visiting the homes of the school children and explaining the necessity for having the physical defects remedied, and advising the parents regarding the sanitary needs of the homes, and other health matters. During the visit the nurse explained in detail to the parents the harmful results of uncorrected physical defects, advising them to consult their family physician, or at least attend the clinics. Local physicians volunteered their services at these clinics, where treatment and advice in the matter of correction were given. In one city, where many cases of trachoma were found in the schools, the only eye specialist in the city volunteered to watch every suspected case all summer and to see each child sent to him once for every two weeks. He also offered to treat free any cases that could not afford to pay for the treatment.

In every community where a school survey was made the physicians and parents gave excellent cooperation, and in the majority of cities community nurses were employed for permanent work. About 25 nurses have been employed as a result of this campaign.

The cities in the following list were selected for school medical inspection studies and the establishment of nutrition clinics for undernourished children:

City.	Number examined.	Total number of defects found.	City.	Number examined.	Total number of defects found.
Springfield.....	4,816	7,936	Warrensburg.....	900	2,023
Joplin.....	1,885	4,053	Montgomery City.....	287	561
Independence.....	2,128	3,401	Cape Girardeau.....	508	1,316
Fedalia.....	2,782	6,433	St. Charles.....	1,195	3,430
Lexington.....	979	3,036	Total.....	17,561	31,823
Bonne Terre.....	803	1,310			
Jefferson City.....	1,215	1,291			

The defects noted are the commoner gross defects such as could be discovered in classroom examination. They include defective vision, hearing, teeth, nasal defects, enlarged tonsils, adenoids, skin eruptions, etc. The returns were incomplete at the time the table was compiled; the figures are based on the data which were available. A number of these studies and clinics continued in operation throughout the school year.

One of the outstanding features of the work has been the inauguration of the "mother-child" nutrition clinics for the use of undernourished children.

When the school children in several cities were weighed and measured nearly half were found to be noticeably underweight. In arriving at a decision as to what constituted an underweight child the table of heights and weights as prepared by Dr. Thomas S. Wood, Teachers' College, Columbia University, was used as the standard. A child who was found to be 2 or more pounds below the average weight for height and age, according to this table, was considered underweight.

The undernourished child is one who is from 7 to 10 per cent or more under the average weight for height and age according to the same table. He is not only below normal weight for height and age, but fails to gain at the normal monthly rate. During the period 8 to 12 years of age a boy should gain one-half pound per month; at 12 to 14 years of age he should gain three-fourths pound per month; and from 14 to 16 years he should gain 16 ounces per month. Undernourished children fail to make these gains and are, as a rule, pale, dull, listless, and undersized. They become fatigued easily, and at times have no ambition for work or play. One of the most striking results of such a condition in children is their lack of resistance to acute diseases; and the majority of them suffer from catarrhal conditions of the respiratory tract.

The underweight children were examined and questioned in an effort to find the cause of the underweight. It was found that

these children had, besides physical defects, many faulty habits, such as late bed-time hours, and insufficient or improper food consumption, which accounted to a great extent for the fact that they were not gaining in weight normally. It was considered useless to try to correct these habits without the cooperation of the parents, and plans were worked out to secure this cooperation. Mothers of the underweight children were invited to the school building to confer with the nutrition worker. Instead of the usual class work in nutrition, individual mother-and-child clinics were held. The nutrition worker sat down with the child and its mother and had a confidential talk. Questions were asked to bring out the living habits of the child, and advice was given regarding the correction of these habits. By questioning the child in the presence of its mother, more reliable information was obtained. Experience has shown that in the individual talks, the mother would give information and ask questions that she would not do in the presence of other women. Advantage was taken of such opportunity by the nutrition worker to call the mother's attention to any physical defects that had been found by the physician on examination, and to impress upon her the necessity of having them corrected.

Special nutrition clinics were inaugurated and maintained during the school year in the following cities: Jefferson City, Montgomery City, Linneus, Independence, Elsberry, Bonne Terre, Desloge, Leadwood, Festus, Farmington, Liberty, Excelsior Springs, Troy, Cape Girardeau, Jackson, Gumbo, Springfield, and Joplin.

The findings of these clinics are summarized in Table I. This table shows the more common physical defects and faulty dietary habits observed in the children attending these clinics.

TABLE I.—*Physical defects and faulty dietary habits observed in children attending nutrition clinics in the cities.*

Number attending clinic.	Physical defects related to nutrition.						Dietary faults.		
	Mouth breathers.	Defective tonsils.	Ade-noids.	Defective teeth.	Pale color.	Fatigue posture including winged scapulae.	Use of coffee.	Inadequate milk.	Excessive use of meat.
4,076	1,085	1,567	553	2,229	1,758	2,516	711	1,270	648

Table II shows that the majority of the children attending the nutrition clinics, who followed the advice given by the nutrition workers, gained in weight. Those children who did not gain were, in most instances, children who were absent during the month on account of sickness.

TABLE II.—Record of loss or gain of underweight children for two or more months.

City.	Number of schools.	Number of pupils.	Loss.	Gain 2 pounds or more per month.	No change.
Jefferson City.....	4	161	39	108	14
Troy.....	1	77	6	68	3
Bonne Terre.....	2	66	5	56	5
Liberty.....	1	47	11	32	4
Montgomery City.....	1	67	24	40	3
Cape Girardeau.....	3	167	36	122	0
Elsberry.....	1	105	27	64	14
Springfield.....	5	410	79	291	40

RURAL SCHOOL SURVEYS.

Safeguarding the health of rural school children is yet a great unsolved health problem. Where physical examinations have been made, results show that the percentage of defects is as great, at least, as it is in the city schools.

The country child has the advantage of fresh air and outdoor life, but he generally sleeps with closed bed room windows the greater part of the year.

On evidence obtained by questioning mothers of rural children, it was found that, in the majority of cases, well-balanced meals were rare. The diet of these children, especially in the fall and winter months, consists chiefly of some form of pork, hot biscuits, gravy, and sorghum. The dietary improves somewhat during the summer when homegrown fresh vegetables are obtainable.

Such defects as adenoids and decayed teeth are given little attention, because they never have been brought to the attention of the parents, and also because of the quite common lack of facilities for their correction. Plans are now being formulated to be tried out in one or more counties this fall.

Although the original program did not contemplate investigations in strictly rural districts, owing to repeated requests a survey was made among rural schools in two counties.

In Howell County, through the cooperation of the local physicians, 556 children were weighed and measured. Of these, 279 were found to be 7 per cent underweight, and 184, 10 per cent underweight. These figures are based on available standards. Of the underweight children, all were requested to attend the nutrition clinic, and 226 pupils took advantage of the opportunity. These were given a very careful examination with special reference to defects affecting nutrition.

The prominent defects noted among these children are pale color, winged scapula, and flabby muscle. These defects are symptomatic of undernourishment, which is due either to inability to properly

assimilate food or to the ingestion of too little food. No attempt was made to determine the apparent anemia by laboratory tests, but pale color was considered partially substantiating clinical evidence. Fatigue posture means extreme round shoulders and flat chest with prominent scapulae. Flabby muscle was determined by manual examination. The muscles do not have the tone of muscles of normal healthy children. They are soft and do not contract with the hardness of the normal muscle.

These studies are summarized in Tables III and IV.

TABLE III.—*Underweight by grade and sex. Rural survey: Howell County, Mo.*

	Number weighed.	Seven per cent under-weight.	Ten per cent under-weight.
Total.....	556	279	184
Male.....	263	111	65
Female.....	293	168	119
Grades 7 and 8:			
Male.....	50	18	10
Female.....	63	29	20
Total.....	113	47	30
Grade 6:			
Male.....	23	6	4
Female.....	40	25	20
Total.....	63	31	24
Grade 5:			
Male.....	56	25	13
Female.....	48	27	22
Total.....	104	52	35
Grade 4:			
Male.....	32	14	7
Female.....	30	15	14
Total.....	62	29	21
Grade 3:			
Male.....	22	10	6
Female.....	33	19	13
Total.....	55	29	19
Grade 2:			
Male.....	34	13	7
Female.....	35	25	15
Total.....	69	38	22
Grade 1:			
Male.....	46	25	18
Female.....	44	28	15
Total.....	90	53	33

TABLE IV.—*Summary of medical examination of children attending nutrition clinics. Rural survey, Howell County, Mo.*

Defect.	Number examined.	Grade.						
		7 and 8	6	5	4	3	2	1
Total examined.....	226	36	20	45	23	25	31	46
Pale color.....	123	22	15	24	4	17	11	30
Winged scapulae.....	121	16	12	26	5	16	18	23
Flabby muscles.....	130	21	10	22	8	18	20	31
Flat chest.....	33	8	—	15	7	2	1	—
Fatigue posture (extreme).....	10	4	1	4	1	—	—	—
Mouth breathing.....	37	10	3	16	4	1	2	1
Adenoids.....	13	2	1	2	4	—	2	2
Nasal obstruction.....	6	1	1	3	—	—	—	—
Rhinitis (chronic).....	18	1	—	—	—	1	5	11
Enlarged tonsils.....	95	12	6	23	6	14	15	19
Defective vision.....	51	8	6	3	4	4	13	16
Defective hearing.....	7	3	1	3	—	—	—	—
Pulmonary defects.....	30	6	1	8	3	4	1	7
Heart murmur.....	12	8	—	3	—	1	—	—
Valvular disease.....	6	—	—	2	1	—	—	—
Enlarged thyroid.....	24	4	6	4	3	2	1	4
Enlarged cervical glands.....	19	—	—	—	—	3	6	10

Table V gives the results of physical examinations made during a survey of the rural schools of Greene County.

TABLE V.—*Result of physical examinations of 1,767 children in rural schools of Greene County, Mo.*

Defective vision:		Skin eruptions:	
One eye.....	76	Scabies.....	18
Both eyes.....	122	Ringworm.....	1
Defective hearing:		Acne.....	16
One ear.....	20	Pulmonary diseases:	
Both ears.....	33	Tuberculosis.....	0
Defective teeth:		Nontuberculous.....	30
Decayed teeth.....	797	Heart affections.....	40
Missing teeth.....	208	Orthopedic diseases.....	12
Riggs' disease.....	14	Spinal disease.....	1
Use of toothbrush.....	842	Special diseases:	
Mouth breathing.....	330	Conjunctivitis.....	4
Nasal defects:		Blepharitis.....	1
Adenoids.....	103	Ptosis.....	1
Other defect.....	47	Flat chest.....	7
Throat affections:		Pigeon chest.....	3
Enlarged tonsils.....	604	Defective speech.....	2
Diseased tonsils.....	85	Corneal ulcer.....	1
Enlarged cervical glands.....	3	Chorea.....	2
Enlarged thyroid.....	10	Epileptic.....	1

It is interesting to note that more than one-half of the children attending the nutrition clinics were accompanied by one of the parents or by some adult relative. The majority of these promised hearty cooperation in respect to following the advice regarding proper food and securing the correction of physical defects.

CHILD HEALTH CENTERS.

The school investigations excited widespread interest, and a large number of the parents expressed the desire for their children of preschool age to be weighed and measured. This resulted in the establishment of child health centers in a number of communities throughout the State for the proper supervision of the health of children under school age.

In establishing a child health center usually the first step taken was to form a central committee, consisting of a representative of each local organization assisting in the survey. To this committee was delegated the work of securing and furnishing two or more suitable rooms in a central location and perfecting the necessary financial arrangements. In some instances the local Red Cross donated the use of their rooms, and in others rooms were secured in the county courthouse or city hall free of rent.

Parents were invited to bring the babies and children of preschool age to the centers for examination and advice at certain hours on designated days of the week. The work here was similar to that done in the schools, being under the direction of a physician assisted by the community nurse. In some communities clinics were organized, both medical and dental, for advice and treatment of the children who were seen at the health center or in the home by the visiting nurse. These were open to all classes of society. Furthermore, the various cities established the clinics that seemed most needed in the community, such as dental, trachoma, orthopedic, etc.

Wherever a child health center was established, the community nurse was instructed to start classes for mothers and expectant mothers, teaching them how to care for themselves and how to care for their babies.

Child health centers were organized by representatives of the United States Public Health Service in the following cities: Independence, Lexington, Sedalia, Cape Girardeau, Jackson, Springfield, Joplin, and Kennett.

As a result of these studies, and through the efforts of the local health councils, child health centers have been opened in the following cities: Butler, Platte City, Carthage, Hannibal, St. Charles, Liberty, and DeKalb.

BIRTH REGISTRATION.

For the purpose of improving birth registration in the State and securing proper care for mothers both before and after confinement, a card was prepared and distributed to physicians, nurses, social workers, and representatives of various volunteer organizations, with the request that copies be handed to expectant mothers with the

advice that they be filled out and returned to the director of the division of child hygiene, State board of health. The following information was requested:

Father's name

Father's age

Father's address

Mother's name

Mother's age

Date baby is expected, or

Date of last menstrual period

On receipt of this information, an expectant mother is placed on the mailing list to receive from time to time one of a series of prenatal letters which has been prepared instructing her in regard to the precautions to be observed during the various stages of pregnancy.

The last prenatal letter contains a second blank requesting the following information:

Baby's name

Date of birth

Father's name

Father's address

Name of attending physician

When this blank is filled out and mailed to the director of the division of child hygiene, the mother is placed on the list to receive a series of lessons on the care of the baby, which was prepared for distribution in this manner. There is strong ground for the belief that the interest of the average mother will be more readily attracted and retained by periodic and timely letters than by the use of a baby book. This procedure has met with great success and returns are coming in in greater numbers than was expected. All reported births are referred to the State registrar who in turn communicates this information, together with the name of the attending physician in the case of births which have not been reported, to the local registrars. By this means it is hoped to arouse the mothers of the State to a sense of the importance of birth registration from the standpoint of their children, and to secure their assistance in causing a more general observance of birth reporting by the attending physicians. In fact, in Missouri, as in a number of other States, it is extremely difficult to bring about better birth reporting through resort to the courts. It is felt that when the mothers of the State realize the great laxity of physicians in this respect it will not be necessary to secure legal assistance in order to bring about great improvement in birth registration.

LITERATURE DISTRIBUTION.

On account of lack of funds, the State board of health has been unable to publish bulletins or other educational matter. Various

December 31, 1920.

publications issued by the United States Public Health Service bearing on child hygiene have been distributed by nurses and other workers. These publications are distributed at all child health centers, and the demand has been greater than the supply. Many requests have come from school authorities for bulletins dealing with diseases of childhood and the correction of physical defects. At the various exhibits held during the last few months special interest was manifested in the "Keep Well" series and the standard forms for field investigators.

PUBLICITY.

During the year numerous requests have been received from medical societies and other organizations for addresses and papers on the subject of child hygiene. In each case, a representative of the Public Health Service was detailed to comply with the request. Lectures also were given before the State meeting of the League of Women Voters, the class in preventive medicine of the University of Missouri, the class for county health officers, and many parent-teachers' associations.

In every community where child hygiene work was commenced cooperation of the local newspapers was secured and editorials and special articles were provided.

Future Work.

Heretofore much has been written regarding child hygiene, from a theoretical standpoint, and a great deal of time and money have been spent in projects and publicity without leaving any definite results. This experiment in Missouri has shown that definite and permanent results can be accomplished. The work, so well started, should not be allowed to drag on account of lack of funds or material. Some of the work started is still in a formative stage and needs the assistance of trained workers to develop it. It is desirable to continue school investigations with special reference to height and weight, in order to arrive at a definite standard which will be applicable to children in Missouri and the Middle West.

From the survey it is noted that approximately 50 per cent of the children are under normal weight and are considered undernourished, and much more nutrition work is required throughout the State. Trachoma is another serious problem in the schools. An early survey showed that about 9 per cent of the population in the counties in southeast Missouri has trachoma. In one town in the northwestern part of the State, where trachoma was not suspected, our investigators found 158 cases of trachoma among 979 children

of the better class, or 16.1 per cent of those examined. This finding was corroborated by eye specialists who have had experience in diagnosing and treating trachoma.

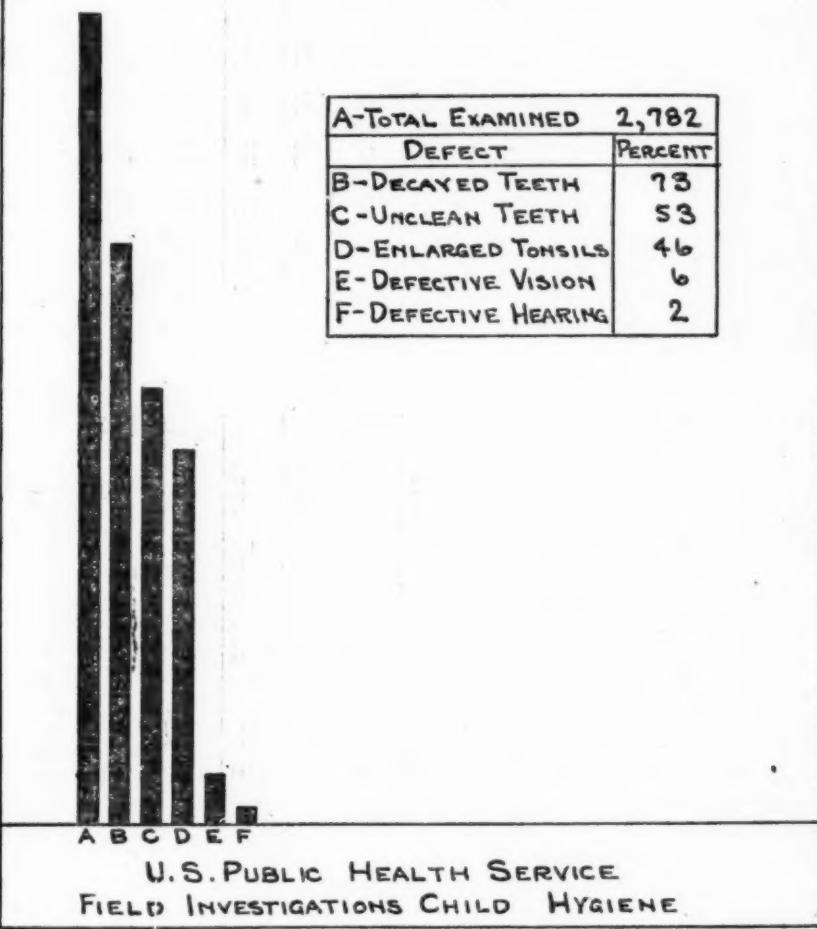
Appendix.

A. Physical defects observed in school children of 10 cities.

Physical defects.	Joplin.	Sedalia.	Cape Girardeau.	Montgomery City.	Waukesha.	Independence.	Greene County.	Bonne Terre.	Jefferson City.	Springfield.
Defective vision:										
One eye.....	50	74	72	27	80	82	76	38	40	120
Both eyes.....	212	168	117	40	125	570	122	251	103	364
Defective hearing:										
One ear.....	60	68	50	19	16	43	20	40	51	42
Both ears.....	120	56	12	7	4	19	33	14	24	50
Defective teeth:										
Decayed.....	1,002	2,040	388	181	675	613	797	453	415	2,625
Missing.....	197	419	87	42	30	127	208	106	79	256
Hutchinson's teeth.....	1	—	2	2	—	—	—	2	6	2
Rigg's disease.....	23	—	2	—	—	1	14	—	3	8
Mouth breathing.....	687	714	105	120	90	436	330	90	166	1,310
Nasal defects:										
Adenoids.....	421	633	117	3	134	224	103	30	86	171
Other defects.....	12	11	3	—	210	41	47	2	4	43
Throat affections:										
Enlarged tonsils.....	906	1,303	202	110	224	700	604	284	220	1,997
Diseased tonsils.....	13	92	20	—	166	80	85	4	5	299
Enlarged cervical glands.....	5	33	6	—	6	1	3	2	1	69
Enlarged thyroid.....	10	6	9	1	29	27	10	2	7	44
Skin eruptions:										
Seabiles.....	39	27	15	1	8	17	18	3	4	27
Ringworm.....	7	2	—	1	5	12	1	1	2	3
Acne.....	33	52	17	6	7	12	16	2	3	77
Pulmonary diseases:										
Tuberculosis.....	7	2	2	—	—	4	—	1	8	46
Bronchitis.....	8	53	15	—	—	—	—	1	—	70
Others.....	—	—	—	—	—	3	30	—	—	—
Heart affections.....	21	173	12	—	25	95	40	2	19	132
Orthopedic diseases.....	82	17	12	—	13	54	12	4	9	53
Spinal diseases.....	11	11	12	—	3	2	1	—	—	4
Special diseases:										
Conjunctivitis.....	19	345	2	—	90	113	4	2	7	17
Suspected trachoma.....	28	60	21	—	31	23	—	—	6	55
Strabismus.....	8	6	4	—	—	17	—	—	2	9
Blepharitis.....	41	—	—	3	10	52	1	—	—	7
Ptosis.....	4	—	1	—	—	—	1	—	—	3
Flat chest.....	1	12	—	—	—	4	2	4	3	14
Pigeon chest.....	1	14	1	—	4	6	3	1	1	9
Defective speech.....	55	—	4	1	37	22	2	—	13	5
Cleft palate.....	4	1	—	—	—	1	1	1	—	1
Chorea.....	5	—	1	—	—	1	1	1	—	2
Rickets.....	1	—	—	—	1	—	1	—	2	—
Corneal ulcer.....	—	—	—	—	—	—	—	—	—	—
Hairrip.....	—	—	—	—	—	—	—	2	—	1
Total.....	1,885	2,782	568	287	900	2,128	1,767	806	1,215	4,816

December 31, 1920.

B. CHART SHOWING THE PERCENTAGE OF CERTAIN
PHYSICAL DEFECTS OBSERVED DURING A SCHOOL
SURVEY OF ONE REPRESENTATIVE CITY.



C. Contributing causes of malnutrition and associated conditions observed in children attending nutrition clinics.

Contributing causes of malnutrition and associated conditions	Montgomery City.	Independence.	Jefferson City.	Bonne Terre.	Elsberry.	Gumbo.	Jackson.	St. Francois County rural school.	Cape Girardeau.	Troy.	Excelsior Springs.	Farmington.	Libererty.	Festus.	Lewiswood.	Dodge City.	Springfield.	
Mouth breathing.....	78	46	150	199	60	81	3	16	15	78	66	11	17	75	39	52	30	169
Defective tonsils.....	53	49	185	332	39	79	5	24	37	75	32	12	29	140	47	94	229	103
Adenoids.....	10	12	121	250	70	42	3	9	22	19	18	3	19	63	41	23	25	103
Defective teeth.....	77	77	121	39	145	15	55	84	135	75	27	82	183	130	51	120	341	341
Winged scapulae.....	92	92	120	360	222	59	47	13	76	67	86	19	36	301	180	126	235	397
Pale color.....	72	65	310	153	42	18	24	6	61	12	18	23	71	196	195	126	223	144
Poor posture.....	12	12	75	360	222	60	47	12	6	6	86	15	106	128	126	126	235	402
Use of coffee.....	21	19	235	97	47	2	22	11	38	37	6	6	28	142	142	142	142	134
Inadequate milk.....	25	106	250	180	33	28	19	51	98	74	22	15	125	106	106	106	106	134
Too much meat.....	30	10	166	123	49	12	10	32	17	20	5	9	75	81	81	81	81	81
Too much sugar.....	35	48	166	101	27	4	12	7	24	18	5	7	27	37	37	37	37	37
Discontinued coffee.....	16	.....	.....	.....	.....	.....	.....	.....	.....	36	.....	2	2	4	4	4	4	4
Using milk.....	24	.....	.....	.....	.....	.....	.....	.....	.....	7	.....	.....	.....	.....	.....	.....	.....	.....
Using eggs.....	21	.....	.....	.....	.....	.....	.....	.....	.....	50	119	225	117	108	421	221	126	249
Cutting down sweets.....	17	.....	.....	.....	.....	.....	.....	.....	.....	50	108	421	117	108	421	221	126	249
Number attending clinic.....	120	273	500	320	133	192	38	85	147	225	117	50	108	421	221	126	249	601

December 31, 1920.

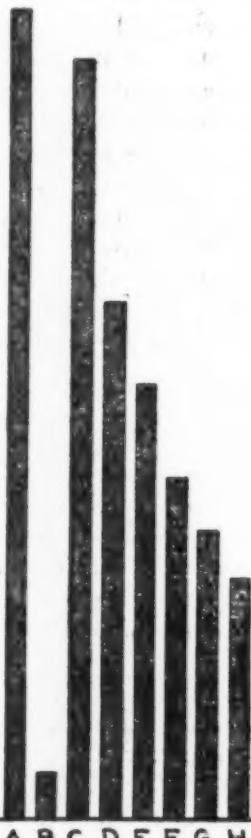
D. CHART SHOWING THE PERCENTAGE OF
CERTAIN PHYSICAL DEFECTS OBSERVED
IN UNDERNOURISHED CHILDREN



A-TOTAL EXAMINED 350	
DEFECT	PERCENT
B- FATIGUE POSTURE	66
C- PALE COLOR	60
D- DEFECTIVE TEETH	51
E- MOUTH BREATHERS	30

A B C D E
U. S. PUBLIC HEALTH SERVICE
FIELD INVESTIGATIONS CHILD HYGIENE

E. CHART SHOWING THE FAULTY DIET
OF UNDERNOURISHED CHILDREN



DIET	PERCENT
A-TOTAL EXAMINED	350
B-BALANCED	6
C-UNBALANCED	94
D-LACK FRUIT AND VEGETABLES	64
E-INADEQUATE MILK	54
F-EXCESS MEAT	42
G-EXCESS SUGAR	36
H-COFFEE DRINKERS	30

A B C D E F G H

U. S. PUBLIC HEALTH SERVICE
FIELD INVESTIGATIONS CHILD HYGIENE

DISEASES PREVALENT AMONG STEEL WORKERS IN A PENNSYLVANIA CITY.^a

By DEAN K. BRUNDAGE, Assistant Statistician, United States Public Health Service.

There are many industrial establishments in this country which have available data relating to disease prevalence among their employees. This fact does not seem to be generally known nor, when recognized, is its importance fully appreciated. The employees of a very considerable proportion of the larger plants are organized in sick-benefit associations for the purpose of providing sickness insurance for their members. The accounting procedure of such associations usually calls for a report from the member or his attending physician before claims for sickness benefits are considered. Generally the name of the ailing individual, the diagnosis of the disease or condition causing inability to work, and the dates on which disability began and ended must be reported. While exact interpretations and accurate comparisons can not be made in all instances, the data constitute a body of material which can be used to perform services of fundamental importance in contributing to the knowledge of disease incidence and prevalence among persons employed in industry, and in determining the directions in which preventive work and efforts to promote physical efficiency may be undertaken most profitably.

In connection with the collection and study of industrial morbidity statistics,¹ a report of a large employees' sick benefit association which has been furnished the Statistical Office of the United States Public Health Service has been selected as typical and is presented here for the purpose of pointing out (1) what such a report actually shows and (2) what salient facts such reports might reveal concerning the occurrence of disease in the group of industrial workers under consideration.

Certain conditions which limit the data should be pointed out first. It may be stated that these limitations are not peculiar to the records of the sick-benefit association in question, but are more or less common to all.

On account of the extraordinary fluctuation in the number of persons belonging to this association, a condition occasioned by the diminished demand for labor upon the cancellation of war contracts, and the subsequent expansion after peace-time orders had come in, the number of members in good standing at the end of each fiscal

^a From the Statistical Office, United States, Public Health Service.

¹ The United States Public Health Service is undertaking the study of industrial morbidity along the lines recommended by a committee of the American Public Health Association. The plan for standardized sickness records and reports is presented in the following reprints from the Public Health Reports:

(1) "Report of Committee on Industrial Morbidity Statistics," Reprint No. 484.

(2) "Continuation Report of the Committee on Industrial Morbidity Statistics," Reprint No. 564.

(3) "Sickness Records for Industrial Establishments," Reprint No. 573.

year did not at all represent the average membership for the year. Incidentally the following statement of membership affords an idea of the tremendous labor turnover that has been characteristic of the reconstruction period.

Number of members in good standing May 31, 1918.....	30,080
Number of members admitted during year ending May 31, 1919.....	28,389
Number of members left during year ending May 31, 1919.....	45,276
Number of members in good standing May 31, 1919.....	13,193
Number of members admitted during year ending May 31, 1920.....	18,664
Number of members left during year ending May 31, 1920.....	14,879
Number of members in good standing May 31, 1920.....	16,978

The diseases reported have occurred among a membership that, to some extent, is a selected group. Generally persons under 16 or over 55 years of age are not permitted to belong to the association. Membership, however, may be retained as long as the person is in the employ of the company. The constitution and by-laws state that applicants must furnish, when so required, a certificate of good health from a regular physician approved by the board of managers, and that if persons become members while suffering from a chronic or other disease or complaint of a disabling character, such persons must forfeit their right to benefits for any recurrence of such ailments. Diseases contracted prior to the date of joining the association are accordingly not expected to appear in the reports.

The rules of the association further specify that benefits shall be denied for diseases resulting from immoral conduct or the use of intoxicating liquors, and that no money shall be paid to female employees for any sickness which is peculiarly due to their sex. With these exceptions, the prevalence of different diseases and conditions and the amount and percentage of total sickness benefits paid for each disease during the two-year period are shown in Table I and Figure 1. Only those cases of sickness which rendered members unable to work for seven days or more are included, as the association does not pay benefits for illness which incapacitates for less than one week.

December 31, 1920.

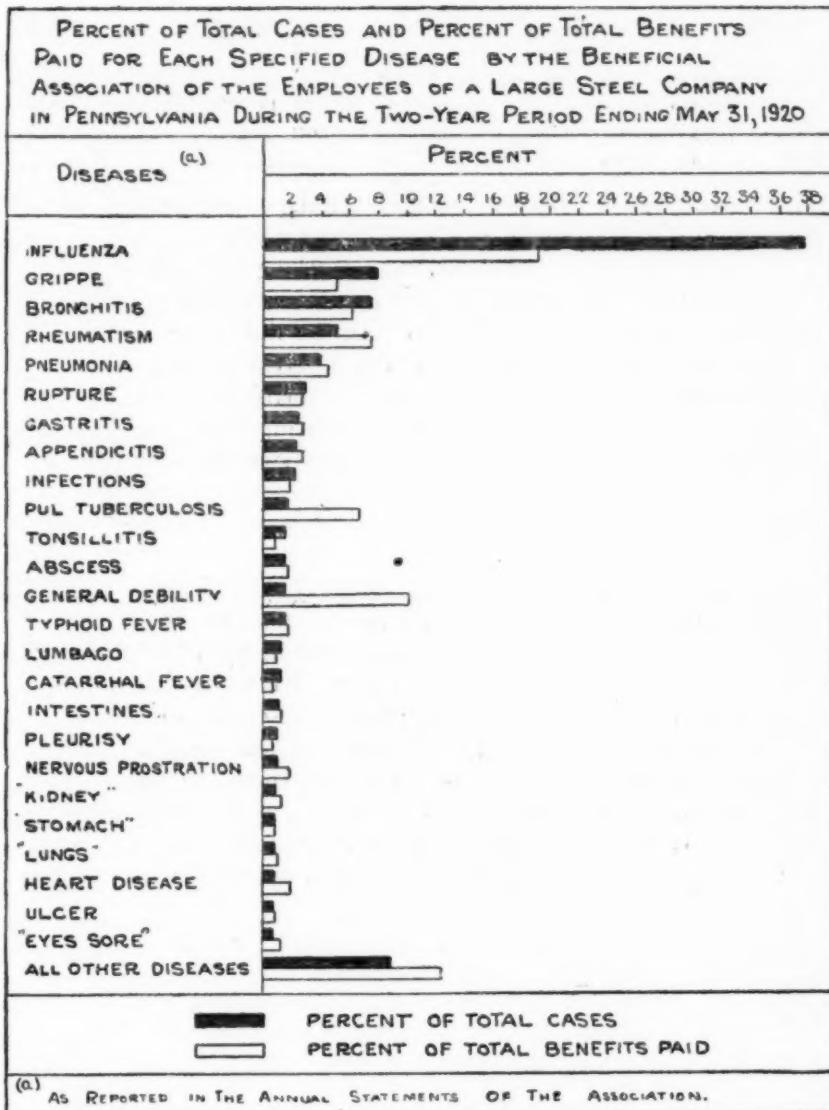


FIG. L

TABLE I.—Number and per cent of total cases and amount paid in benefits for each specified disease by the beneficial association of employees of a large steel company in Pennsylvania during the two-year period ending May 31, 1920.^a

Diseases and conditions causing disability. ^b	Rank.		Cases.		Benefits paid.	
	According to number of cases.	According to amount paid in benefits. ^c	Number.	Per cent of total.	Amount.	Per cent of total.
All diseases and conditions.			4,121	100.0	\$126,000.05	100.0
Influenza.....	1	1	1,561	37.9	24,255.19	19.2
Grippe.....	2	6	330	8.0	6,608.14	5.2
Bronchitis.....	3	5	313	7.6	7,867.29	6.2
Rheumatism.....	4	3	212	5.1	9,596.42	7.6
Pneumonia.....	5	7	164	4.0	5,621.95	4.5
Rupture.....	6	8	121	2.9	3,557.14	2.8
Gastritis.....	7	10	98	2.4	3,462.71	2.8
Appendicitis.....	8	9	95	2.3	3,477.00	2.8
Infections.....	9	13	92	2.2	2,367.54	1.9
Pulmonary tuberculosis.....	10	4	73	1.8	8,423.71	6.7
Tonsillitis.....	11	24	67	1.6	1,095.46	.9
Abscess.....	12	14	64	1.6	2,286.76	1.8
General debility.....	13	2	63	1.5	12,506.97	10.2
Typhoid fever.....	14	15	61	1.5	2,242.96	1.8
Lumbago.....	15	21	54	1.3	1,298.28	1.0
Catarrhal fever.....	16	29	53	1.3	896.41	.7
"Intestines".....	17	19	44	1.1	1,625.72	1.3
Pleurisy.....	18	27	41	1.0	965.87	.8
Nervous prostration.....	19	12	30	1.0	2,378.27	1.9
"Kidney".....	20	17	37	.9	1,702.42	1.4
"Stomach".....	21	23	37	.9	1,164.05	.9
"Lungs".....	22	20	36	.9	1,304.31	1.0
Heart disease.....	23	11	31	.8	2,451.43	2.0
Ulcer.....	24	23	20	.7	1,052.58	.8
"Eyes sore".....	25	18	28	.7	1,656.24	1.3
All other diseases and conditions.....			378	9.0	15,922.23	12.5

^a Includes only those sickness and nonindustrial accident cases which caused absence from work for at least one week.

^b As reported in the annual statements of the association.

^c The disease for which sick benefits ranked 16th in amount paid was insanity (1.5 per cent of total benefits); ranking 22d was paralysis (1 per cent); 26th, myocarditis (0.8 per cent); and 28th, asthma (0.7 per cent).

The 28 diseases and conditions which had relatively long duration, as measured by the amount paid out in benefits, are shown in Table II and Figure 2. On January 1, 1920, sick benefits were increased from \$5 to \$8 per week; but this change in the scale of benefits, it is believed, has not seriously invalidated "benefits per case" as a method of determining the relative duration of the different maladies that occurred during the whole two-year period.

TABLE II.—*Sick benefits per case for each specified disease or condition causing disability for one week or longer to members of the beneficial association of employees of a large steel company in Pennsylvania during the two-year period ending May 31, 1920.*

Diseases and conditions causing disability. ^a	Number of cases.	Amount paid in sick benefits.	Sick benefits per case.
All diseases and conditions.....	4,121	\$126,090.05	\$30.60
General debility.....	63	12,806.97	203.29
Apoplexy.....	5	856.42	171.28
Palsy.....	4	659.72	164.93
Pulmonary tuberculosis.....	73	8,423.71	115.39
Paralysis.....	11	1,244.86	113.17
Vertigo.....	2	223.58	111.79
Insanity.....	17	1,848.86	108.76
Dropsy.....	6	633.15	105.52
Cancer.....	4	399.43	99.86
Heart disease.....	31	2,454.43	79.18
Nervous prostration.....	39	2,378.27	60.98
"Eyes sore".....	28	1,656.24	59.15
Sore throat.....	10	561.42	56.14
Myocarditis.....	18	1,006.85	55.94
Asthma.....	19	913.00	48.05
Cyst.....	7	327.99	46.86
Diabetes.....	4	185.28	46.32
"Bladder".....	13	601.72	46.29
"Kidney".....	37	1,702.42	46.01
Rheumatism.....	212	9,596.42	45.27
"Sore feet".....	14	618.69	44.19
Gall stones.....	9	391.42	43.49
Periostitis.....	5	196.43	39.29
Tumor.....	9	342.15	38.02
Autointoxication.....	6	227.86	37.98
"Intestines".....	44	1,625.72	36.95
Typhoid fever.....	61	2,242.96	36.77
Appendicitis.....	95	3,477.00	36.60
All other diseases.....	3,275	68,487.08	20.91

^a As reported in the annual statements of the association.

What the Report Shows.

An outstanding feature of the annual report as shown in Table I and Figure 1, is the large percentage of cases and benefits attributable to a relatively small group of diseases. This concentration is, of course, out of the ordinary because the two influenza epidemics occurred in the period which the tabulations cover; but when influenza is eliminated from the list, it is found that the next seven ailments constitute a majority of the remaining cases. Of the actual number of cases occurring, influenza, grippe, and pneumonia account for 50 per cent, and if to this trio of diseases we add the other principal diseases of the respiratory system—bronchitis, pleurisy, pulmonary tuberculosis, and other diseases of the lungs—we have accounted for 61 per cent of total cases and 44 per cent of benefits.

Rupture and infections, it will be noted, occupy surprisingly high places on the list, especially when one considers that the tabulations include only cases of nonindustrial origin. Infected wounds from accidents occurring in the course of employment are compensated according to the provisions of the Pennsylvania workmen's compensation law, and accordingly are not paid for from the treasury of the employees' relief and beneficial association. With rupture it is the company's policy to ascertain the cause and duration of each case

afflicting an employee of the corporation, and truly traumatic hernias of recent occurrence with accident histories are classified as industrial injuries and placed under compensation. If the case is an old one which "just happened" and if the ruptured man has been in the company's employ for five or more years, he may be operated on at company expense, and receive sickness benefits from the employees' relief association. The hernias recorded are therefore among employees who have been with the company for five years or longer. The chief surgeon who explained the company's policy in regard to hernia, commented: "For years men have had ruptures, and through fear or ignorance have paid no attention to them—it is through a process of education that we are able to convince them to be operated on for a cure."

Though information is not available concerning the causes of the 92 infections serious enough to necessitate absence from work for at least a week, generally they may be said to result from neglecting to attend to relatively insignificant cuts and bruises, or from inadequate self-treatment. The records of the medical department of a large manufacturing establishment in Ohio show that the number of necessary retreatments per case (generally dressings of the infected wound) decreased on the average from 10.5 to 3.2 by establishing a system of early recourse to the relief room for all abrasions liable to infection, regardless of whether they were of industrial or nonindustrial origin.

Next to influenza, general debility caused the biggest drain on the association's treasury, though the frequency of this cause of disability was relatively low, ranking thirteenth according to number of cases. The rather indefinite term "general debility," the secretary of the association explained, is applied to those men who, while suffering from no specific diseases causing disability, no longer possess the physical ability to do efficient manual labor in the mills. The average age of such men was found to be approximately 68 years, and the average length of employment more than 40 years. Inasmuch as few of these men ever resume employment in the steel mills, general debility, unlike the other diseases and conditions listed, seldom occurs among the present employees, but is applicable usually only to ex-employees of the company. To these men sickness benefits are a sort of pension, for, in some instances, they may be paid continuously for four years. The duration of such benefits is indicated by the relatively large sum of \$203 per case of general debility shown in Table II and figure 2. It is suggested that application of the principles of fatigue elimination would gradually lengthen the span of the productive period in the lives of steel workers, and eventually reduce to a minimum the cost of this cause of incapacity.

December 31, 1920.

Inasmuch as typhoid fever is reputed to be practically conquered, it is regretable that this preventable disease should rank fourteenth in frequency among any group of employees, and entail an expenditure of \$2,243 of the funds of a relief association in the course of two years, not to mention particularly the needless suffering of the victims of the disease and the possibility of fatal termination. It

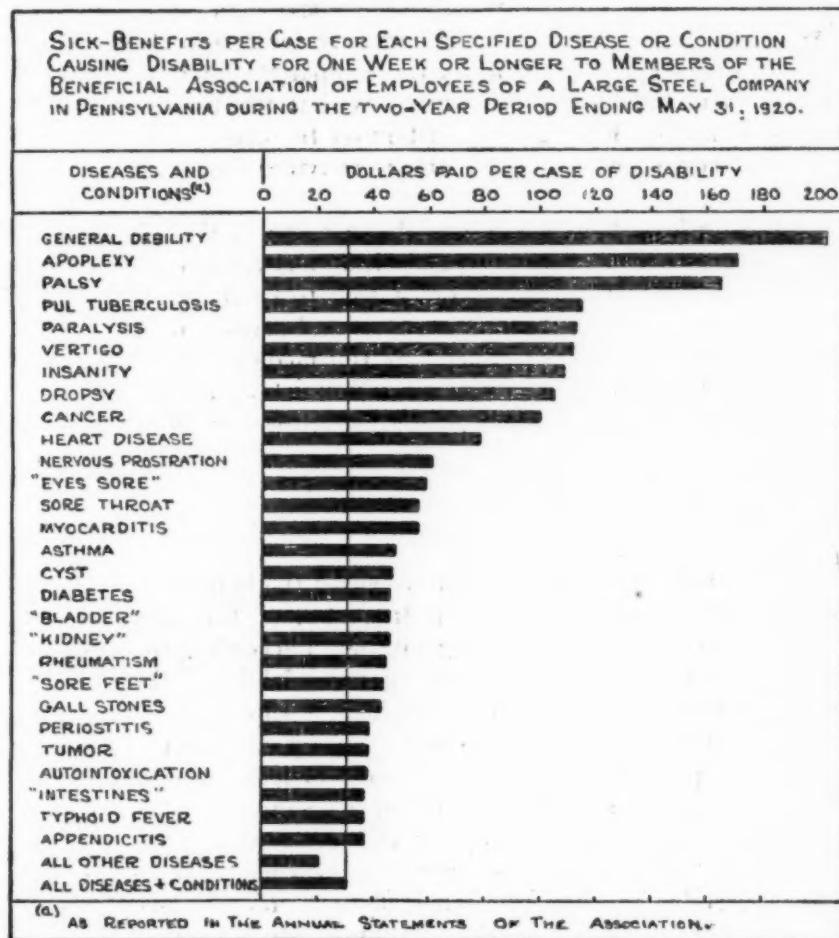


FIG. 2.

should be recognized, however, that control of the disease is made difficult by a large number of floating laborers.

It is evident from what has been presented that the kind of annual report under discussion *does* show in fairly definite fashion for the period of time considered the relative frequency and duration of the diseases for which sick benefits were paid. The report, however, does not permit measurement of the increase or decrease of sickness

from year to year, because percentages perform this function too inaccurately. Influenza, for example, may constitute only 3 per cent of all the cases in a certain year, and 40 per cent the next year. Variations of this sort make impracticable the comparison of disease occurrence in different years by means of percentages. The report, moreover, does not tell at what time of the year specific diseases and conditions occurred, nor does it indicate whether or not any working conditions have reacted unfavorably on the health of members of the association. Furthermore, it yields no information concerning the cost of insuring persons of each sex in different age periods, though age ordinarily is the largest single factor affecting the number of days of disability occasioned by sickness.

These points have been mentioned to suggest some of the more important inquiries that could be made to advantage by beneficial associations desiring to serve their members and save their funds by preventing sickness. The subject, it would seem, is of such importance to associations for sickness insurance as to warrant a more complete annual analysis of morbidity experience than has been made in the typical report under discussion.

A Suggested Annual Analysis.

In order to obtain the information suggested above, the following additional data are needed for the annual summary:

- (1) The number of persons holding membership in the association, preferably on or about the middle of each month, in each occupation (or department within the plant), according to sex and age groups.²
- (2) The sex, age, and occupation (or department within the plant) of each person who received benefits for sickness or nonindustrial accidents during the year.
- (3) The number of days of disability (or the number of days lost from work) by each member of the association on account of each illness.

Data concerning an association's membership are necessary in order to express sickness incidence in terms of *rates* based on the number of persons involved. Sickness rates are generally understood to include both frequency and severity rates, the frequency of sickness being expressed as the number of cases of disabling illness per year per 1,000 of the group or population under consideration, and the severity of sickness usually being measured either by the number of days of disability per person per year, or by the days of disability per case.

By means of sickness frequency and severity rates the annual report in question could be made to show the following additional comparisons:

² The form for tabulating these figures is shown on p. 10 of "Sickness Records for Industrial Establishments," Reprint No. 573 from the Public Health Reports, Nov. 14, 1919.

December 31, 1920.

(1) The amount of disabling sickness from each important disease and from all diseases in the current year compared with the sickness experience of past years. The difference in the illness rates before and after the organization of a medical department may be expected roughly to measure the effectiveness of the work of the industrial physician or sanitarian.

(2) The extent of disability from each important disease and from all diseases compared according to occupations or departments. When sickness rates are computed for each occupation or department, the plant physician can measure the effect on health of different manufacturing processes and working conditions, if he takes into consideration the sex and age composition of the labor force in the different occupations or departments.

(3) The diseases occurring among persons of either sex at different age periods.

(4) The seasonal variation in the occurrence and severity of different diseases and groups of diseases.

This enumeration does not exhaust the list of useful comparisons that could be made, but roughly indicates what may be done with morbidity data that conform to the requirements of sickness frequency and severity rates. In classifying the diseases causing disability it is recommended that the International List of the Causes of Death be adopted as the standard.³ For further information concerning sickness records and reports, the reader is referred to the joint recommendations of the United States Public Health Service and the American Public Health Association contained in "Sickness Records for Industrial Establishments," Reprint No. 573 from the Public Health Reports.⁴

Annual reports along the lines suggested would be contributions to the existing knowledge of the incidence and prevalence of various diseases, as the morbidity statistics of the present time are fragmentary, not uniform, and generally unrelated to working conditions. Standardization in sickness records would render comparable the morbidity experience of many different groups of industrial employees.

³ Physicians' Pocket Reference to the International List of the Causes of Death is obtainable upon request from the Chief Statistician for Vital Statistics, Bureau of the Census, Washington, D. C.

⁴ See also "Keeping Tab on Sickness in the Plant," Reprint No. 589 from the Public Health Reports of Apr. 9, 1920.

AWARD UNDER COMPENSATION ACT FOR DISEASE CONTRACTED IN CARING FOR OTHER EMPLOYEES.

The following abstract of a court decision is quoted from the advance sheets of the Pacific Reporter, issue of December 6, 1920:

"A safety engineer employed by a mining company contracted influenza which resulted in an affection of the heart and made it impossible for him to do any but light work. He was awarded compensation by the Industrial Accident Commission, and the Supreme Court of California affirmed the award in *Engels Copper Mining Co. v. Industrial Accident Commission*, 192 Pacific Reporter, 845. Judge Olney wrote the opinion. During the influenza epidemic a considerable number of employees of the mining company were attacked, and it attempted to care for the cases in its hospital and in temporary quarters used for that purpose, among which was the safety engineer's office. Because of the insufficient number of medical attendants and nurses to meet the emergency, the engineer practically gave up his own duties and devoted himself to caring for the influenza patients. He bathed them, gave them food and medicine, attended to their personal wants generally, and for five or six days had the closest personal contact with them. He finally contracted the disease himself, which resulted in his permanent industrial impairment. In discussing the question of voluntary exposure to the danger, the court said:

"It is true that an injury suffered by an employee in voluntarily doing something entirely outside of his employment, even though of benefit to his employer, is not an injury suffered by him in the course of his employment, and, if the facts of this case were only those we have stated, it might be that the award would have to be annulled on that ground. But there was evidence in the case which would justify the commission in believing that the further fact was present that the company's superintendent had directed Rebstock to assist in caring for the company's influenza patients. This fact, for we must take it to be the fact, at once took Rebstock's services in that respect out of the class of purely voluntary services. Although the services were exceptional, and without the usual scope of Rebstock's employment, they were within its actual scope at the immediate time, because rendered in response to the company's direction."

DEATHS DURING WEEK ENDED DEC. 18, 1920.

[From the "Weekly Health Index," Dec. 21, 1920, issued by the Bureau of the Census, Department of Commerce.]

Deaths from all causes in certain large cities of the United States during the week ended Dec. 18, 1920, infant mortality (per cent), annual death rate, and comparison with corresponding week of preceding years.

City.	Population Jan. 1, 1920, sub- ject to revision.	Week ended Dec. 18, 1920.		Average annual death rate per 1,000. ²	Per cent of deaths under 1 year.	
		Total deaths.	Death rate. ¹		Week ended Dec. 18, 1920.	Previous year or years. ²
Akron, Ohio.....	208,435	27	6.8	^ 9.9	22.2	^ 7.8
Albany, N. Y.....	113,344	37	17.0	C 14.3	10.8	C 9.7
Atlanta, Ga.....	200,616	48	12.5	C 16.6	8.3	C 11.1
Baltimore, Md.....	733,826	205	14.6	A 16.8	16.1	A 13.8
Birmingham, Ala.....	178,270	47	13.7	A 18.3	10.6	A 13.8
Boston, Mass.....	747,923	208	14.5	A 17.8	16.8	A 16.7
Bridgeport, Conn.....	143,152	27	9.8	A 15.5	22.2	A 19.8
Buffalo, N. Y.....	506,775	146	15.0	C 12.0	17.1	C 19.0
Cambridge, Mass.....	109,456	29	13.8	A 16.0	24.1	A 11.5
Chicago, Ill.....	2,701,705	557	10.8	A 13.9	16.5	A 16.2
Cincinnati, Ohio.....	401,247	92	12.0	C 16.2	15.2	C 10.5
Cleveland, Ohio.....	796,836	163	10.7	C 12.3	17.8	C 13.0
Columbus, Ohio.....	237,031	54	11.9	C 17.6	16.7	C 12.7
Dallas, Tex.....	158,976	31	10.2	A 15.1	22.6	A 10.8
Dayton, Ohio.....	153,830	40	13.6	C 10.0	12.5	C 10.3
Denver, Colo.....	256,491	84	17.1	A 13.7	10.7	-----
Detroit, Mich.....	963,739	197	19.3	-----	24.9	-----
Fall River, Mass.....	129,485	29	12.6	C 13.4	34.5	C 32.3
Grand Rapids, Mich.....	137,634	29	11.0	C 11.9	17.2	C 6.5
Houston, Tex.....	128,276	30	11.3	-----	10.0	-----
Indianapolis, Ind.....	314,194	65	10.8	C 14.5	12.3	C 8.1
Jersey City, N. J.....	298,079	74	12.9	C 13.4	18.9	C 9.2
Kansas City, Kans.....	101,177	28	14.4	-----	3.6	-----
Kansas City, Mo.....	324,410	84	13.5	-----	15.5	-----
Los Angeles, Calif.....	576,673	115	10.4	A 15.6	9.6	A 9.0
Louisville, Ky.....	234,831	84	18.6	C 14.5	7.1	C 12.3
Lowell, Mass.....	112,479	36	16.7	A 20.0	19.4	A 26.1
Memphis, Tenn.....	182,351	67	21.5	C 29.9	3.0	C 7.0
Milwaukee, Wis.....	457,147	95	10.8	A 13.1	18.9	A 18.0
Minneapolis, Minn.....	380,582	69	9.5	C 11.6	18.8	C 9.5
Nashville, Tenn.....	113,342	31	13.7	C 17.7	22.6	C 17.5
Newark, N. J.....	414,216	73	9.2	C 12.7	19.2	C 14.0
New Bedford, Mass.....	121,217	25	10.8	A 15.2	16.0	A 26.9
New Haven, Conn.....	162,519	41	13.2	C 12.6	14.6	C 10.3
New Orleans, La.....	387,219	142	19.1	A 22.9	7.7	A 12.8
New York, N. Y.....	5,620,048	1,208	11.8	C 11.7	12.9	C 13.5
Norfolk, Va.....	115,777	30	13.5	-----	16.7	-----
Oakland, Calif.....	216,361	50	12.1	A 12.9	12.0	A 9.6
Omaha, Nebr.....	191,601	48	13.1	C 11.0	12.5	C 17.5
Philadelphia, Pa.....	1,823,158	508	14.5	^ 20.3	13.6	^ 11.4
Pittsburgh, Pa.....	588,193	175	15.5	C 13.2	20.6	C 13.5
Portland, Oreg.....	258,288	58	11.7	C 14.1	8.6	C 17.4
Providence, R. I.....	237,595	67	14.7	C 12.8	14.9	C 15.5
Richmond, Va.....	171,667	43	13.1	C 19.4	16.3	C 6.3
Rochester, N. Y.....	295,750	52	9.2	C 10.9	11.5	C 6.6
St. Louis, Mo.....	772,897	190	12.8	C 15.3	7.9	C 9.8
St. Paul, Minn.....	234,680	47	10.4	C 15.4	10.6	C 11.6
Salt Lake City, Utah.....	118,110	28	12.4	A 16.2	7.1	-----
San Francisco, Calif.....	506,676	143	14.7	C 17.0	6.3	C 6.7
Springfield, Mass.....	129,338	36	14.5	-----	19.4	-----
Syracuse, N. Y.....	171,647	43	13.1	C 10.4	11.6	C 11.8
Toledo, Ohio.....	243,164	64	13.7	A 15.3	9.4	A 12.8
Trenton, N. J.....	119,289	30	13.1	A 21.1	16.7	A 18.6
Washington, D. C.....	437,571	110	13.1	A 16.5	6.4	A 11.7
Wilmington, Del.....	110,168	29	13.7	C 18.7	27.6	-----
Worcester, Mass.....	179,754	48	13.9	C 14.1	6.3	C 14.6
Yonkers, N. Y.....	100,176	23	12.0	A 12.6	30.4	A 15.5
Youngstown, Ohio.....	132,358	38	15.0	-----	18.4	-----

¹ Annual rates per 1,000 population.

² "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1919.

³ Data are based on statistics of 1915, 1916, and 1917.

Summary of information received by telegraph from industrial insurance companies for week ended Dec. 18, 1920.

Policies in force.....	44,967,277
Number of death claims.....	7,953
Death claims per 1,000 policies in force, annual rate.....	9.2

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended Dec. 25, 1920.

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers.

ARKANSAS.		CONNECTICUT—continued.	
	Cases.		Cases.
Chicken pox.....	56	Scarlet fever:	
Diphtheria.....	9	Meriden (city).....	15
Influenza.....	100	New Haven.....	21
Malaria.....	13	Scattering.....	58
Measles.....	3	Trachoma.....	1
Pellagra.....	4	Trichinosis.....	2
Poliomyelitis.....	1	Tuberculosis (all forms).....	22
Scarlet fever.....	8	Typhoid fever.....	5
Smallpox.....	9	Whooping cough.....	57
Trachoma.....	3		
Tuberculosis.....	7	DELAWARE.	
Typhoid fever.....	3	Chicken pox.....	2
Whooping cough.....	40	Diphtheria.....	4
		Influenza.....	14
CALIFORNIA.		Malaria.....	1
Cerebrospinal meningitis.....	3	Measles.....	2
Influenza.....	14	Pneumonia.....	2
Smallpox:		Scarlet fever.....	11
Monterey.....	21	Tuberculosis.....	11
Oakdale.....	14	Whooping cough.....	18
Scattering.....	60		
Typhoid fever.....	3	FLORIDA.	
		Diphtheria.....	20
CONNECTICUT.		Influenza.....	25
Cerebrospinal meningitis.....	1	Malaria.....	17
Chicken pox.....	41	Pneumonia.....	21
Conjunctivitis (infectious).....	1	Scarlet fever.....	4
Diphtheria:		Smallpox.....	8
Bridgeport.....	14	Typhoid fever.....	6
New Britain.....	9		
New Haven.....	16	GEORGIA.	
Waterbury.....	8	Chicken pox.....	8
Scattering.....	45	Diphtheria.....	13
Influenza.....	15	Dysentery (bacillary).....	1
Measles:		Hookworm.....	1
New Britain.....	18	Influenza.....	8
Scattering.....	23	Malaria.....	4
Mumps.....	97	Measles.....	14
Pneumonia (lobar).....	19	Pneumonia.....	2

December 31, 1920.

GEORGIA—continued.

	Cases.
Septic sore throat.....	1
Smallpox.....	26
Tuberculosis (pulmonary).....	21
Typhoid fever.....	3

ILLINOIS.

	Cases.
Cerebrospinal meningitis—Chicago.....	1
Diphtheria:	
Chicago.....	226
Scattering.....	67
Influenza.....	21
Pneumonia.....	66
Poliomyelitis—Chicago.....	1
Scarlet fever:	
Chicago.....	140
Springfield.....	50
Scattering.....	70
Smallpox:	
Robinson.....	9
Rockford.....	22
Van Buren.....	9
Scattering.....	43
Typhoid fever.....	19

INDIANA.

	Cases.
Diphtheria.....	55
Scarlet fever.....	138
Smallpox.....	98
Typhoid fever.....	4

IOWA.

	Cases.
Cerebrospinal meningitis—Burlington.....	1
Diphtheria.....	45
Influenza.....	3
Scarlet fever.....	79
Smallpox:	
Dubuque.....	17
Hancock.....	34
Ottumwa.....	16
Scattering.....	103

KANSAS.

	Cases.
Cerebrospinal meningitis.....	1
Chicken pox.....	49
Diphtheria.....	136
German measles.....	2
Influenza.....	7
Measles.....	152
Mumps.....	7
Pneumonia.....	24
Poliomyelitis.....	1
Scarlet fever.....	121
Smallpox.....	38
Trachoma.....	2
Tuberculosis.....	18
Typhoid fever.....	10
Whooping cough.....	21

LOUISIANA.

	Cases.
Cerebrospinal meningitis.....	4
Diphtheria.....	13
Scarlet fever.....	9
Smallpox.....	40
Typhoid fever.....	6

MAINE.

	Cases.
Chicken pox.....	33
Diphtheria.....	12
Influenza.....	5
Measles.....	172
Mumps.....	2
Pneumonia.....	2
Scarlet fever.....	29
Smallpox.....	4
Tuberculosis.....	8
Typhoid fever.....	1
Whooping cough.....	16

MARYLAND.¹

	Cases.
Cerebrospinal meningitis.....	1
Chicken pox.....	73
Diphtheria.....	82
Dysentery.....	1
German measles.....	1
Influenza.....	45
Lethargic encephalitis.....	1
Malaria.....	1
Measles.....	53
Mumps.....	4
Ophthalmia neonatorum.....	2
Pneumonia (all forms).....	77
Scarlet fever.....	35
Septic sore throat.....	3
Tuberculosis.....	23
Typhoid fever.....	7
Whooping cough.....	51

MASSACHUSETTS.

	Cases.
Cerebrospinal meningitis.....	2
Chicken pox.....	193
Conjunctivitis (suppurative).....	5
Diphtheria.....	173
German measles.....	8
Influenza.....	12
Measles.....	308
Mumps.....	32
Ophthalmia neonatorum.....	22
Pneumonia (lobar).....	82
Poliomyelitis.....	2
Scarlet fever.....	173
Septic sore throat.....	4
Smallpox.....	3
Trachoma.....	1
Tuberculosis (all forms).....	129
Typhoid fever.....	6
Whooping cough.....	80

MINNESOTA.

	Cases.
Poliomyelitis.....	1
Smallpox.....	32

MISSISSIPPI.

	Cases.
Cerebrospinal meningitis.....	1
Diphtheria.....	12
Scarlet fever.....	11
Smallpox.....	4
Typhoid fever.....	3

¹ Week ended Friday.

MONTANA.	Cases.	SOUTH DAKOTA.	Cases.
Diphtheria.....	2	Chicken pox.....	11
Paratyphoid fever.....	9	Diphtheria.....	21
Scarlet fever.....	5	Influenza.....	1
Smallpox.....	9	Measles.....	42
NEBRASKA.		Pneumonia.....	13
Chicken pox.....	31	Scarlet fever.....	25
Diphtheria:		Smallpox.....	60
Omaha.....	17	Trachoma.....	1
Scattering.....	6	Tuberculosis.....	3
Influenza.....	6	TEXAS.	
Measles.....	7	Chicken pox.....	67
Mumps.....	5	Influenza.....	6
Scarlet fever:		Mumps.....	1
Otoe County.....	13	Pneumonia.....	11
Scattering.....	68	Typhoid fever.....	3
Smallpox:		Typhus fever—Galveston.....	2
Dannebrog.....	8	VERMONT.	
Elmwood.....	8	Chicken pox.....	34
Lexington.....	35	Diphtheria.....	4
Milligan.....	9	German measles.....	1
Otoe County.....	15	Influenza.....	2
Scattering.....	59	Measles.....	9
Tuberculosis.....	3	Mumps.....	19
Whooping cough.....	8	Pneumonia.....	3
NEW JERSEY.		Scarlet fever.....	18
Cerebrospinal meningitis.....	1	Smallpox.....	11
Chicken pox.....	189	Typhoid fever.....	2
Diphtheria.....	177	Whooping cough.....	30
Influenza.....	21	WASHINGTON.	
Measles.....	40	Chicken pox.....	40
Pneumonia.....	120	Diphtheria.....	17
Scarlet fever.....	143	Measles.....	38
Typhoid fever.....	8	Mumps.....	10
Whooping cough.....	119	Scarlet fever.....	54
NEW MEXICO.		Smallpox.....	91
Chicken pox.....	6	Tuberculosis.....	10
Diphtheria:		Typhoid fever.....	3
Holman.....	12	Whooping cough.....	10
Scattering.....	26	WEST VIRGINIA.	
Measles.....	40	Diphtheria:	
Mumps.....	8	Wheeling.....	9
Pneumonia.....	11	Scattering.....	23
Scarlet fever.....	11	Measles:	
Smallpox.....	2	Charleston.....	31
Tuberculosis.....	29	Morgantown.....	22
Typhoid fever.....	6	Scattering.....	10
Whooping cough.....	12	Scarlet fever.....	22
NEW YORK.		Smallpox.....	17
[Exclusive of New York City.]		Typhoid fever.....	4
Diphtheria.....	238	WISCONSIN.	
Influenza.....	20	Milwaukee:	
Measles.....	856	Chicken pox.....	18
Pneumonia.....	198	Diphtheria.....	66
Poliomyelitis:		German measles.....	1
North Tonawanda.....	1	Influenza.....	4
Rockland.....	1	Measles.....	9
Springville.....	1	Scarlet fever.....	41
Scarlet fever.....	234	Smallpox.....	12
Smallpox.....	5	Tuberculosis.....	7
Typhoid fever.....	17	Typhoid fever.....	1
Whooping cough.....	280	Whooping cough.....	5

December 31, 1920.

WISCONSIN—continued.

Scattering:	Cases.	Scattering—Continued.	Cases.
Chicken pox.....	112	Scarlet fever.....	118
Diphtheria.....	117	Smallpox.....	162
Influenza.....	37	Tuberculosis.....	24
Measles.....	63	Typhoid fever.....	3
Poliomyelitis.....	2	Whooping cough.....	138

District of Columbia and Kentucky Reports for Week Ended Dec. 18, 1920.

DISTRICT OF COLUMBIA.

Chicken pox.....	33
Diphtheria.....	33
Influenza.....	15
Measles.....	9
Scarlet fever.....	15
Tuberculosis.....	22
Typhoid fever.....	6
Whooping cough.....	29

KENTUCKY.

Cerebrospinal meningitis—Lawrence County...	1
Chicken pox.....	44
Diphtheria:	
Jefferson County.....	17
Scattering.....	52

KENTUCKY—continued.

Influenza.....	17
Measles:	
Boyle County.....	13
Harlan County.....	12
Scattering.....	7
Mumps.....	1
Pneumonia.....	40
Streptococcal sore throat.....	1
Tonsillitis.....	4
Trachoma.....	1
Tuberculosis:	
Jefferson County.....	11
Scattering.....	7
Typhoid fever.....	15
Whooping cough.....	16

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week:

State.	Cerebral meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
1920.										
Alabama (November).....	1	153	4	31	6	1	2	66	42	63
Indiana (November).....	1	483	.....	.....	151	.....	2	829	452	112
Iowa (October).....	2	191	2	.....	.....	.....	13	322	242	.....
Maryland (November).....	2	404	123	10	98	1	7	198	3	121
Minnesota (November).....	2	498	7	.....	31	.....	15	342	853	61
Montana (November).....	1	18	19	.....	797	.....	1	80	85	10
Rhode Island (November).....	1	127	6	.....	87	.....	1	64	.....	5
South Dakota (November).....	1	97	6	.....	176	.....	106	94	.....	7

RECIPROCAL NOTIFICATION.

Minnesota—November, 1920.

Cases of communicable diseases referred during November, 1920, to other State health departments by the Department of Health of the State of Minnesota.

Disease and locality of notification.	Referred to health authority of—	Why referred.
Anterior poliomyelitis: Rochester, Olmsted County.	Terry Town, Prairie County, Mont.....	At isolation hospital in Rochester.
Typhoid fever: Rochester, Olmsted County.	Havre, Hill County, Mont.....	At Stanley Hospital in Rochester. Epidemiological data states there were 4 or 5 cases in Havre.
Tuberculosis: Sand Beach Sanitarium, Becker County. Do.....	Mizpah, Custer County, Mont..... Huron, Beadle County, S. Dak.....	Left sanitarium for Mizpah Oct. 27, 1920, as an improved case of tuberculosis. Left sanitarium for Huron Oct. 19, 1920, as a quiescent case of tuberculosis. Left sanitarium for home Oct. 31, 1920, as an unimproved case of tuberculosis.
State Sanitarium, Cass County.	Somerville, Middlesex County, Mass.	

RECIPROCAL NOTIFICATION—Continued.

Cases of communicable diseases referred during November, 1920, to other State health departments by the Department of Health of the State of Minnesota—Continued.

Disease and locality of notification.	Referred to health authority of—	Why referred.
Tuberculosis—Contd. Moorhead, Clay County.	Fargo, Cass County, N. Dak.....	Specimen of sputum examined by Minnesota State Board of Health positive.
Thomas Hospital, Minneapolis Hennepin County.	.....do.....	Left hospital for home as an improved case of tuberculosis.
Mayo Clinic, Rochester, Olmsted County.	Tuscan, Pima County, Ariz..... Alexis, R. No. 1, Warren County, Ill..... Jacksonville, Morgan County, Ill..... Peru, Miami County, Ind..... Sabula, Jackson County, Iowa..... Stockton, Rooks County, Kans..... Waterloo, Madison County, Mont..... Callaway, Custer County, Nebr..... Gallup, McKinley County, N. Mex..... Buffalo Springs, Bowman County, N. Dak..... Tulsa, Tulsa County, Okla..... Isabel, Dewey County, S. Dak..... Faith, Meade County, S. Dak..... Brookings, Brookings County, S. Dak..... Stevens Point, Portage County, Wis..... Moose Jaw, Saskatchewan, Canada..... Winnipeg, Manitoba, Canada..... Regina, Saskatchewan, Canada..... Prescott, Pierce County, Wis..... Jamestown, Stutsman County, N. Dak.	4 advanced, 11 moderately advanced, 1 stage of disease not given, 1 apparently arrested, and 1 cured case left the Mayo Clinic for their homes.
Pokegama Sanatorium.		Left sanitarium for home as an incipient case of tuberculosis. Left sanitarium for home as a far advanced case of tuberculosis.

ANTHRAX.

Binghamton, N. Y.—Week Ended Dec. 11, 1920.

During the week ended December 11, 1920, one case of anthrax was reported at Binghamton, N. Y.

CEREBROSPINAL MENINGITIS.

City Reports for Week Ended Dec. 11, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding weeks of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full five years, the average includes from one to four years.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
Arkansas:				North Carolina:			
North Little Rock...	0	1	.....	Rocky Mount.....	0	.....	1
California:				Ohio:			
Oakland.....	0	1	2	Cleveland.....	(1)	.....	1
Stockton.....	0	.....	2	Mansfield.....	.....	.....	1
Illinois:				Pennsylvania:			
Chicago.....	3	1	.....	Philadelphia.....	2	2	.....
Maryland:				Utah:			
Baltimore.....	(1)	1	1	Salt Lake City.....	0	1	.....
Massachusetts:				Virginia:			
Lynn.....	0	1	.....	Richmond.....	0	.....	1
Springfield.....	(1)	1	.....	West Virginia:			
Michigan:				Charleston.....	0	1	1
Detroit.....	(1)	2	.....	Huntington.....	0	.....	1
Flint.....	0	.....	1	Wisconsin:			
Kalamazoo.....	0	1	1	Milwaukee.....	(1)	2	3
New York:				Wausau.....	.....	1	.....
New York.....	6	6	5				
Schenectady.....	(1)	1	1				

¹ Average less than 1.

December 31, 1920.

DENGUE.**Alabama—November, 1920.**

During November, 1920, one case of dengue was reported in Alabama.

DIPHTHERIA.

See Telegraphic weekly reports from States, p. 3174; Monthly summaries by States, p. 3177; and Weekly reports from cities, p. 3186.

INFLUENZA.**City Reports for Week Ended Dec. 11, 1920.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Massachusetts—Continued.		
Birmingham.....	1		Methuen.....	1	
Mobile.....	1		North Attleboro.....	1	
California:			Springfield.....	1	
Alameda.....	3		Michigan:		
Los Angeles.....	3		Detroit.....	5	
Oakland.....	1	1	Grand Rapids.....	1	
Sacramento.....	2		Minnesota:		
San Francisco.....	10	1	Winona.....	2	
Colorado:			Missouri:		
Denver.....		1	St. Charles.....	2	
Connecticut:			St. Joseph.....	1	
Bridgeport.....	2		St. Louis.....	1	
District of Columbia:			New Jersey:		
Washington.....	25	6	Englewood.....	1	
Georgia:			Kearny.....	2	
Atlanta.....	7	2	Newark.....	5	
Brunswick.....	16		Trenton.....	7	
Macon.....	3		New York:		
Illinois:			Albany.....	1	
Chicago.....	18	4	Buffalo.....	1	1
Danville.....	1		Cohoes.....	1	
Decatur.....	9		Jamestown.....	2	
East St. Louis.....	2		New York.....	43	9
Evanston.....	1		Rochester.....	1	
Indiana:			Saratoga Springs.....	6	
Marion.....	4		North Carolina:		
Terre Haute.....	1		Winston-Salem.....	1	
Kentucky:			Ohio:		
Louisville.....	3		Cincinnati.....	2	2
Paducah.....	2		Cleveland.....	5	2
Louisiana:			Toledo.....		1
Baton Rouge.....	1		Pennsylvania:		
New Orleans.....	1	1	Philadelphia.....	5	2
Maine:			South Dakota:		
Lewiston.....	1		Sioux Falls.....		1
Portland.....	1		Texas:		
Sanford.....	1		Dallas.....	14	2
Maryland:			El Paso.....		2
Baltimore.....	22	2	Virginia:		
Cumberland.....	2	1	Richmond.....		1
Massachusetts:			Wisconsin:		
Boston.....	7	1	Wausau.....	1	
Cambridge.....	3				

LEPROSY.**New Orleans, La.—Week Ended Dec. 11, 1920.**

During the week ended December 11, 1920, one case of leprosy was reported at New Orleans, La.

LETHARGIC ENCEPHALITIS.**Maryland, Michigan, and Rhode Island.**

During November, 1920, one case of lethargic encephalitis was reported in Maryland and one in Rhode Island. During the week ended December 11, 1920, one death was reported at Highland Park, Mich.

MALARIA.**City Reports for Week Ended Dec. 11, 1920.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Georgia:			Louisiana:		
Atlanta.....	1		Alexandria.....	14	
Brunswick.....	2		Montana:		
Macon.....	1		Missoula.....	1	
Savannah.....		1	Texas:		
			Dallas.....	6	

MEASLES.

See Telegraphic weekly reports from States, p. 3174; Monthly summaries by States, p. 3177; and Weekly reports from cities, p. 3186.

PELLAGRA.**City Reports for Week Ended Dec. 11, 1920.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Oklahoma:		
Montgomery.....		1	Oklahoma City.....		1
Georgia:			Tennessee:		
Atlanta.....	1		Nashville.....		2
Macon.....	1		Texas:		
Louisiana:			Dallas.....		1
Baton Rouge.....	1		Waco.....		1
New Orleans.....	1		Virginia:		
Maryland:			Richmond.....		1
Baltimore.....		1			
Massachusetts:					
Danvers.....	1				

PLAQUE.**Human Cases of Plague Reported.**

Place.	Period covered.	Cases.	Deaths.	Remarks.
Florida:				
Pensacola.....	1920. May 31 to Aug. 31..... Sept. 1 to Dec. 22.....	10 0	4 0	
Louisiana:				
New Orleans.....	1919. Oct. 22 to Dec. 31.....	12	4	
	1920. Jan. 1 to Apr. 30..... May 1 to Aug. 31..... Sept. 1 to Dec. 25.....	0 7 0	0 3 0	
Texas:				
Beaumont.....	June 19 to Aug. 20..... Aug. 21 to Dec. 22.....	14 0	5 0	
Galveston.....	June 8 to Nov. 14..... Nov. 15 to Dec. 22..... July 7.....	17 0 1	11 0 1	From Galveston.

December 31, 1920.

PLAQUE—Continued.
Plague-Infected Rodents.

Place.	Period covered.	Rodents found plague infected.
Florida:	1920.	
Pensacola.....	June 28 to Sept. 19.....	31
	Sept. 20 to Dec. 23.....	0
Louisiana:	1919.	
New Orleans.....	November and December.....	308
	1920.	
	January to November.....	269
	Dec. 1 to 20.....	5
	Dec. 21 to 23.....	0
Texas:		
Beaumont.....	July 1 to Oct. 25.....	123
	Oct. 26 to Dec. 23.....	0
Galveston.....	June 21 to Dec. 4.....	67
	Dec. 5 to 23.....	0
Port Arthur.....	Oct. 25.....	1

PNEUMONIA (ALL FORMS).**City Reports for Week Ended Dec. 11, 1920.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Illinois—Continued.		
Anniston.....	1	-----	Freeport.....	2	-----
Birmingham.....	4	-----	Galesburg.....	-----	1
Mobile.....	1	-----	Jacksonville.....	-----	2
Montgomery.....	2	-----	Kankakee.....	-----	1
Arizona:			Peoria.....	-----	3
Tucson.....	1	-----	Quincy.....	-----	1
Arkansas:			Rockford.....	2	2
Hot Springs.....	1	-----	Springfield.....	2	-----
Little Rock.....	1	-----	Indiana:		
California:			Bedford.....	-----	1
Alameda.....	1	-----	East Chicago.....	-----	1
Long Beach.....	3	1	Elwood.....	-----	1
Los Angeles.....	24	8	Evansville.....	1	2
Oakland.....	1	3	Fort Wayne.....	-----	3
Pasadena.....	1	-----	Gary.....	-----	7
Riverside.....	1	-----	Hammond.....	-----	1
Sacramento.....	2	1	Indianapolis.....	-----	11
San Bernardino.....	7	2	Kokomo.....	-----	3
San Diego.....	1	-----	La Fayette.....	-----	2
Santa Barbara.....	1	-----	Logansport.....	-----	1
Santa Cruz.....	1	1	Muncie.....	-----	1
Stockton.....	1	-----	Terre Haute.....	-----	5
Vallejo.....	1	-----	Iowa:		
Colorado:			Burlington.....	-----	1
Denver.....	18	-----	Council Bluffs.....	-----	1
Pueblo.....	5	-----	Keokuk.....	2	1
Connecticut:			Kansas:		
Bridgeport.....	5	8	Hutchinson.....	2	-----
Bristol.....	2	1	Kansas City.....	2	-----
Hartford.....	6	-----	Topeka.....	-----	2
Manchester.....	1	-----	Wichita.....	1	3
New Haven.....	7	-----	Kentucky:		
Norwich.....	1	1	Covington.....	2	2
Delaware:			Lexington.....	-----	6
Wilmington.....	10	-----	Louisville.....	8	7
District of Columbia:			Louisiana:		
Washington.....	15	-----	Baton Rouge.....	3	3
Georgia:			New Orleans.....	-----	15
Atlanta.....	2	9	Maine:		
Macon.....	1	4	Bangor.....	3	-----
Savannah.....	-----	9	Lewiston.....	1	-----
Illinois:			Portland.....	-----	1
Bloomington.....	-----	1	Sanford.....	2	1
Chicago.....	215	48	Maryland:		
Danville.....	2	-----	Baltimore.....	29	18
Decatur.....	2	-----	Cumberland.....	2	-----
East St. Louis.....	3	1			

PNEUMONIA (ALL FORMS)—Continued.

City Reports for Week Ended Dec. 11, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Massachusetts:			New York:		
Arlington.....	11	1	Albany.....	8	
Boston.....	30	28	Beacon.....	2	1
Cambridge.....	3	2	Buffalo.....	35	14
Chelsea.....	2		Cohoes.....	3	
Clinton.....		2	Elmira.....	1	
Easthampton.....		1	Ithaca.....		1
Everett.....	1		Jamestown.....	1	
Fall River.....	5	2	Lockport.....	2	
Gardner.....		3	Middletown.....	1	1
Holyoke.....		3	Mount Vernon.....	5	
Lowell.....	1	3	New York.....	376	120
Lynn.....	1	2	Peekskill.....	2	
Methuen.....	1	1	Poughkeepsie.....		
New Bedford.....		2	Rochester.....	7	
Newton.....	1	1	Schenectady.....		1
Quincy.....		3	Syracuse.....	11	3
Falem.....	5	1	Troy.....	8	3
Foxerville.....	3	1	White Plains.....	4	2
Southbridge.....	2	1	Yonkers.....	5	3
Springfield.....	6	2	North Carolina:		
Taunton.....		3	Charlotte.....		3
Waltham.....	1		Greensboro.....		1
West Springfield.....	1	1	Wilmington.....		1
Woburn.....		1	Winston-Salem.....		2
Worcester.....	7		Ohio:		
Michigan:			Akron.....	4	
Detroit.....	32	23	Alliance.....		1
Flint.....	1	1	Barberton.....	1	
Grand Rapids.....	9	3	Canton.....	1	1
Highland Park.....	6	2	Cincinnati.....	4	9
Ishpeming.....	2		Cleveland.....	29	20
Kalamazoo.....	6	2	Columbus.....		6
Muskegon.....	5	2	Dayton.....	1	
Pontiac.....	1		East Cleveland.....	1	
Port Huron.....	2		Findlay.....	1	1
Sault Ste. Marie.....	1		Hamilton.....		1
Minnesota:			Lancaster.....		1
Duluth.....	2	3	Lima.....		1
Minneapolis.....	1	4	Middletown.....	3	2
St. Paul.....		6	Norwood.....	1	
Winona.....	1		Piqua.....	1	
Missouri:			Springfield.....	1	1
Jefferson City.....		1	Toledo.....		2
Kansas City.....	10	12	Youngstown.....		5
St. Joseph.....		1	Oklahoma:		
Montana:			Muskogee.....		3
Anaconda.....		1	Oregon:		
Billings.....	1		Portland.....		4
Butte.....		3	Pennsylvania:		
Missoula.....		1	Philadelphia.....	79	51
Nebraska:			Rhode Island:		
Beatrice.....		1	Pawtucket.....		2
Lincoln.....	1	4	Troy Hill.....		8
Omaha.....		2	South Carolina:		
New Hampshire:			Charleston.....		1
Manchester.....		1	Tennessee:		
Nashua.....	1		Memphis.....		4
New Jersey:			Nashville.....	2	8
Atlantic City.....	1	1	Texas:		
Bayonne.....	2		Dallas.....	4	2
Bloomfield.....	3		El Paso.....		6
East Orange.....	2	1	Waco.....	1	
Elizabeth.....		3	Utah:		
Hackensack.....	2	1	Salt Lake City.....		5
Harrison.....	1		Vermont:		
Hoboken.....		3	Burlington.....		2
Jersey City.....	18		Virginia:		
Kearny.....	1		Richmond.....		5
Montclair.....		2	Roanoke.....	4	
Morristown.....	1	1	West Virginia:		
Newark.....	62	11	Huntington.....		8
New Brunswick.....	1		Wheeling.....		3
Orange.....	1	1	Wisconsin:		
Passaic.....	3	1	Kenosha.....		1
Paterson.....	7		La Crosse.....		1
Phillipsburg.....	1	1	Madison.....		1
Trenton.....	4	5	Milwaukee.....	5	11
New Mexico:			Oshkosh.....	1	1
Albuquerque.....		1	Racine.....		1
			Superior.....		2

December 31, 1920.

POLIOMYELITIS (INFANTILE PARALYSIS).**City Reports for Week Ended Dec. 11, 1920.**

The column headed "Average cases" gives the average number of cases reported during the corresponding weeks of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full five years, the average includes from one to four years.

Place.	Aver- age cases.	1920.		Place.	Aver- age cases.	1920.	
		Cases.	Deaths.			Cases.	Deaths.
California:				Michigan:			
San Diego.....	0	1	.....	Detroit.....	0	1	.....
San Francisco.....	1	1	1	New Jersey:	0	1	.....
Illinois:				Kearny.....	0	1	.....
Chicago.....	(1)	1	.....	New York:			
Maine:				New York.....	(1)	1	.....
Waterville.....		1	.....	Poughkeepsie.....	0	1	.....
Massachusetts:				Syracuse.....	0	1	.....
Boston.....	(1)	1	1	North Carolina:			
Haverhill.....	0	1	.....	Raleigh.....	0	1	.....
Lynn.....	0	1	.....			
Newburyport.....	0	1	.....			
Newton.....	0	1	.....			
Somerville.....	0	1	.....			

¹ Average less than 1.² Excluding 1916, an epidemic year, average less than 1.**RABIES IN ANIMALS.****Covington, Ky.—Week Ended Dec. 11, 1920.**

During the week ended December 11, 1920, one case of rabies in animals was reported at Covington, Ky.

SCARLET FEVER.

See Telegraphic weekly reports from States, p. 3174; Monthly summaries by States, p. 3177; and Weekly reports from cities, p. 3186.

SMALLPOX.**City Reports for Week Ended Dec. 11, 1920.**

The column headed "Average cases" gives the average number of cases reported during the corresponding weeks of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full five years, the average includes from one to four years.

Place.	Aver- age cases.	1920		Place.	Aver- age cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				District of Columbia:			
Anniston.....	0	1	.....	Washington.....	(1)	1	.....
Birmingham.....	(1)	3	.....	Georgia:			
Mobile.....	(1)	1	.....	Atlanta.....	(1)	1	.....
Montgomery.....	0	4	.....	Macon.....	0	1	.....
California:				Rome.....	0	1	.....
Los Angeles.....	2	8	.....	Idaho:			
Oakland.....	(1)	1	.....	Boise.....	2	5	.....
Sacramento.....	0	9	.....	Illinois:			
San Bernardino.....	0	1	.....	Bloomington.....	0	5	.....
San Francisco.....	(1)	30	.....	Chicago.....	(1)	7	.....
Stockton.....	0	1	.....	East St. Louis.....	0	5	.....
Colorado:				Elgin.....	1	2	.....
Colorado Springs.....	(1)	1	.....	Galesburg.....	(1)	3	.....
Denver.....	10	4	.....	Granite City.....	0	1	.....
Greeley.....		2	.....	Kewanee.....	1	1	.....
Pueblo.....	0	5	.....	Mattoon.....	1	1	.....

¹ Average less than 1.

SMALLPOX—Continued.

City Reports for Week Ended Dec. 11, 1920—Continued.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
Illinois—Continued.				Nebraska:			
Pekin.....	0	1	.....	Beatrice.....	0	1	.....
Quincy.....	(1)	1	.....	Omaha.....	16	13	.....
Rockford.....	0	10	.....	North Carolina:			
Rock Island.....	1	13	.....	Charlotte.....	0	2	.....
Springfield.....	2	2	.....	Durham.....	0	1	.....
Indiana:				Winston-Salem.....	1	9	.....
Bedford.....	0	5	.....	North Dakota:			
Elkhart.....		5	.....	Fargo.....	(1)	12	.....
Frankfort.....	0	3	.....	Ohio:			
Hammond.....	0	6	.....	Akron.....	1	6	.....
Indianapolis.....	13	6	.....	Canton.....	2	20	.....
Kokomo.....	4	1	.....	Cleveland.....	10	1	.....
Lafayette.....	1	4	.....	Columbus.....	2	1	.....
Marion.....	0	1	.....	Hamilton.....	3	9	.....
Mishawaka.....	0	12	.....	Lima.....	0	33	.....
South Bend.....	1	30	.....	Lorain.....	2	5	.....
Terra Haute.....	0	4	.....	Middletown.....	(1)	2	.....
Iowa:				Norwood.....	0	1	.....
Cedar Rapids.....	(1)	1	.....	Toledo.....	1	8	.....
Council Bluffs.....	1	3	.....	Oklahoma:			
Davenport.....	9	13	.....	Tulsa.....		1	.....
Dubuque.....	(1)	48	.....	Oregon:			
Iowa City.....	0	1	.....	Eugene.....		1	.....
Keokuk.....		1	.....	Portland.....	19	11	.....
Sioux City.....	4	32	.....	South Carolina:			
Kansas:				Charleston.....	0	4	.....
Hutchinson.....	0	2	.....	South Dakota:			
Kansas City.....	12	4	.....	Sioux Falls.....	(1)	4	.....
Leavenworth.....	(1)	1	.....	Texas:			
Kentucky:				Beaumont.....	4	4	.....
Louisville.....	(1)	1	.....	Galveston.....	0	1	.....
Louisiana:				Utah:			
New Orleans.....	2	36	5	Salt Lake City.....	4	21	.....
Maine:				Vermont:			
Auburn.....	1	1	.....	Burlington.....		1	.....
Lewiston.....		1	.....	Rutland.....	0	4	.....
Waterville.....		1	.....	Washington:			
Maryland:				Aberdeen.....		1	.....
Cumberland.....	(1)	4	.....	Bellingham.....	0	3	.....
Michigan:				Seattle.....	7	13	.....
Battle Creek.....	0	31	.....	Spokane.....	39	23	.....
Detroit.....	12	52	.....	Tacoma.....	2	17	.....
Flint.....	2	2	.....	Walla Walla.....	4	2	.....
Highland Park.....	1	1	.....	West Virginia:			
Muskegon.....		1	.....	Bluefield.....	(1)	1	.....
Port Huron.....		3	.....	Wisconsin:			
Sault Ste. Marie.....	0	6	.....	Appleton.....	0	1	.....
Minnesota:				Beloit.....	0	1	.....
Duluth.....	(1)	15	.....	Eau Claire.....	1	1	.....
Mankato.....	0	2	.....	Green Bay.....	2	2	.....
Minneapolis.....	13	113	.....	La Crosse.....	1	23	1
St. Paul.....	10	33	.....	Madison.....	(1)	5	.....
Winona.....	0	24	.....	Milwaukee.....	4	8	.....
Missouri:				Racine.....	1	4	.....
Kansas City.....	30	24	.....	Sheboygan.....		16	.....
St. Louis.....	1	11	.....	Superior.....	1	2	.....
Montana:							
Missoula.....	0	4	.....			

¹ Average less than 1.

TETANUS.

City Reports for Week Ended Dec. 11, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Louisiana:			Missouri:		
Baton Rouge.....	1	1	St. Louis.....	1	1
New Orleans.....	1	.....	Tennessee:		
Massachusetts:			Knoxville.....	1	1
Taunton.....	1	.....		

December 31, 1920.

TUBERCULOSIS.

See Telegraphic weekly reports from States, p. 3174, and Weekly reports from cities, p. 3186.

TYPHOID FEVER.

City Reports for Week Ended Dec. 11, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding weeks of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full five years, the average includes from one to four years.

Place.	Aver- age cases.	1920		Place.	Aver- age cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
Arkansas:				Missouri:			
Fort Smith.....	0	1	-----	Kansas City.....	2	2	-----
Hot Springs.....	0	-----	1	St. Louis.....	6	3	-----
California:				Nebraska:			
Los Angeles.....	4	1	-----	Omaha.....	(1)	1	-----
Oakland.....	1	2	1	New Jersey:			
San Bernardino.....	0	-----	1	East Orange.....	(1)	3	-----
San Diego.....	(1)	2	-----	Jersey City.....	(1)	7	-----
San Francisco.....	4	2	1	New Mexico:			
Colorado:				Albuquerque.....	0	1	-----
Denver.....	0	2	1	New York:			
Connecticut:				Albany.....	3	1	-----
New Haven.....	1	1	-----	Beacon.....	0	1	-----
Norwich.....	0	3	-----	Buffalo.....	2	2	1
District of Columbia:				Cohoes.....	0	2	-----
Washington.....	3	10	-----	Elmira.....	0	1	-----
Georgia:				New York.....	25	24	5
Atlanta.....	(1)	4	1	North Tonawanda.....	0	1	-----
Macon.....	0	1	-----	Syracuse.....	2	1	-----
Savannah.....	0	3	-----	North Carolina:			
Illinois:				Winston-Salem.....	(1)	1	-----
Chicago.....	8	6	1	Ohio:			
Danville.....	(1)	1	-----	Akron.....	(1)	1	-----
Mattoon.....	0	1	-----	Cincinnati.....	(1)	1	-----
Pekin.....	0	1	-----	Columbus.....	(1)	1	-----
Quincy.....	1	1	-----	Dayton.....	(1)	1	-----
Springfield.....	(1)	1	-----	Fostoria.....	0	1	-----
Indiana:				Lancaster.....	0	1	-----
Evansville.....	(1)	1	-----	Lima.....	1	1	-----
Fort Wayne.....	0	1	1	Lorain.....	1	1	-----
Indianapolis.....	4	3	2	Marion.....	0	1	-----
Kokomo.....	(1)	-----	1	Newark.....	1	1	-----
South Bend.....	2	1	-----	Piqua.....	2	1	-----
Kansas:				Toledo.....	3	1	-----
Coffeyville.....	(1)	1	-----	Oklahoma:			
Wichita.....	(1)	2	-----	Oklahoma City.....	(1)	1	-----
Kentucky:				Tulsa.....	1	1	-----
Louisville.....	2	3	-----	Oregon:			
Louisiana:				Portland.....	1	2	1
Alexandria.....	0	1	-----	Pennsylvania:			
New Orleans.....	4	1	1	Harrisburg.....	(1)	1	-----
Maine:				Philadelphia.....	7	7	1
Biddeford.....	0	1	-----	Pittsburgh.....	2	2	-----
Lewiston.....	1	1	-----	Wilkes-Barre.....	(1)	1	-----
Waterville.....	1	1	-----	Williamsport.....	0	1	-----
Maryland:				Rhode Island:			
Baltimore.....	9	3	-----	Pawtucket.....	(1)	3	-----
Cumberland.....	(1)	4	-----	Tennessee:			
Massachusetts:				Knoxville.....	(1)	1	1
Arlington.....	(1)	1	-----	Memphis.....	0	1	-----
Boston.....	3	4	-----	Nashville.....	4	1	-----
Fall River.....	5	1	-----	Texas:			
Melrose.....	0	1	-----	Dallas.....	2	1	1
New Bedford.....	(1)	1	-----	Galveston.....	1	1	-----
North Adams.....	0	1	-----	Temple.....	3	1	-----
Michigan:				Waco.....	0	1	-----
Battle Creek.....	0	1	-----	Washington:			
Detroit.....	6	1	2	Spokane.....	0	1	-----
Highland Park.....	0	1	-----	West Virginia:			
Port Huron.....	1	2	2	Bluefield.....	1	1	-----
Minnesota:				Huntington.....	1	1	-----
Duluth.....	(1)	1	-----	Wisconsin:			
Minneapolis.....	1	1	-----	Milwaukee.....	1	1	1
St. Paul.....	(1)	1	-----	Wausau.....	0	1	1

¹ Average less than 1.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City Reports for Week Ended Dec. 11, 1920.

Place.	Population Jan. 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria-		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Anniston.....	17,734	6					1		2	
Birmingham.....	178,270	46							2	6
Mobile.....	60,151	30	1						5	5
Montgomery.....	43,464	12	3						1	
Tuscaloosa.....	11,996	4							1	
Arizona:										
Tucson.....	20,292	14								3
Arkansas:										
Fort Smith.....	28,811	6					1			
Hot Springs.....	11,695	6	1				1			
Little Rock.....	64,997	5			46				2	
North Little Rock.....	14,048	2	1		1					
California:										
Alameda.....	28,806	2	4							
Long Beach.....	55,593	9	4						2	
Los Angeles.....	576,673	157	63	1	46		14		125	18
Oakland.....	216,361	46	3		7		10		4	3
Pasadena.....	45,354	15	1							2
Riverside.....	19,341	14	1	1	5					1
Sacramento.....	65,857	18	3						2	1
Fan Bernardino.....	18,721	11			1					4
San Diego.....	74,683	22	2		1				5	4
San Francisco.....	508,410	126	31	2	5		21		22	12
Santa Barbara.....	19,441	11					1			
Santa Cruz.....	10,917	3								
Fresno.....	40,296	11	1							
Vallejo.....	21,107	3	1				1			
Colorado:										
Colorado Springs.....	30,105	6	1		1				12	2
Denver.....	256,369	78	33	2	127		9			14
Greeley.....	10,883	1			1		1			
Pueblo.....	42,903	17	7		1		4			
Connecticut:										
Bridgeport (town) ¹	143,539	35	12	1			13		6	2
Bristol (town) ¹	20,620	5	7						2	
Hartford (town) ¹	135,035	37	11		1		3		3	1
Manchester (town).....	18,370	2			1				1	
New Haven (town) ¹	162,519	41	18		1		27		11	6
Norwalk (town) ¹	27,700	6	3						1	
Norwich (town).....	29,685	3	2				1			
Delaware:										
Wilmington.....	110,168	28	4		1		3			
District of Columbia:										
Washington.....	437,571	134	24	5	7		28		22	15
Georgia:										
Atlanta.....	200,616	77	5	3	17		3	1	3	3
Brunswick.....	14,413	4	2						1	1
Macon.....	52,995	15	1				3			
Rome.....	13,252	1			1					
Savannah.....	83,232	48	2				1		1	3
Idaho:										
Boise.....	21,393	3			1					
Illinois:										
Alton.....	24,682	6	7		1			1		1
Aurora.....	36,397	4	1		3					
Bloomington.....	28,725	3	1				3		1	
Centralia.....	12,491	4								
Chicago.....	2,701,705	584	307	25	143	4	165	4	165	44
Danville.....	33,750	6	1		1				2	
Decatur.....	43,818	9	9	2			2			
East St. Louis.....	66,740	11	5				3		5	1
Elgin.....	27,454	4	2	1			1			
Evanston.....	37,215	8	9		1			6		
Freeport.....	19,669	6	1							
Galesburg.....	23,834	7	1	1						
Jacksonville.....	15,713	11			3					1
Kankakee.....	16,753	5			14					
Kewanee.....	16,026	1	2		5			9		
Pekin.....	12,086	1						1		
Peoria.....	76,121	19	13	1			10		4	3
Quincy.....	35,973	12	3		1		1			1

¹Coextensive with city of same name.

December 31, 1920.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended Dec. 11, 1920—Continued.

Place.	Population Jan. 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Illinois—Continued.										
Rockford.....	65,651	13	2		1		3			
Rock Island.....	35,177	6			1		1			
Springfield.....	59,183	19	4		6		54		2	1
Indiana:										
Bloomington.....	11,595	2	1				1			
Crawfordsville.....	10,139	2					4			
East Chicago.....	35,967	6		2						
Eelhart.....	24,277	7	1				11			
Elwood.....	10,710	2								
Evansville.....	85,264	16	9	2			2		1	
Fort Wayne.....	86,549	28	6				3		1	1
Frankfort.....	11,585	2					2			
Gary.....	55,378	17	5				1			
Hammond.....	36,004	7	4	1			2			
Huntington.....	14,000	3					2			
Indianapolis.....	314,194	74	8		6		40		9	9
Kokomo.....	30,067	14			1		4		1	1
La Fayette.....	22,486	8	1		1		5			
Logansport.....	21,626	5								
Marion.....	23,747	6					4			1
Mishawaka.....	15,195	4					2			1
Muncie.....	36,624	8	3	1			2			
Richmond.....	26,765	1	1							
South Bend.....	70,983	15	6				3		1	
Terre Haute.....	66,063	28	2	2			7		1	2
Iowa:										
Burlington.....	24,057		1				2			
Cedar Rapids.....	45,566						1			
Council Bluffs.....	36,162	7					8			
Davenport.....	56,727		1				3			
Dubuque.....	39,141		1				1			
Keokuk.....	14,423	3	3							
Muscatine.....	16,068	6								
Sioux City.....	71,227		5				5			
Kansas:										
Atchison.....	12,630		14				1			
Coffeyville.....	13,452	3	2							
Fort Scott.....	10,633	2	8							
Hutchinson.....	23,298		2							
Kansas City.....	101,177		16		1		5			
Lawrence.....	12,456	4	4							
Leavenworth.....	16,912	2	3							
Parsons.....	16,028		1				1			
Salina.....	15,085	6	6				4			
Topeka.....	50,022	7	2			124	7		3	
Wichita.....	72,128	29	17		4		11		6	
Kentucky:										
Covington.....	57,121	16					3			
Lexington.....	41,534	19	5				1		2	1
Louisville.....	234,881	46	20		1		12		6	4
Paducah.....	24,735		1							
Louisiana:										
Alexandria.....	17,510	6								
Baton Rouge.....	21,782	7	1				2			
Monroe.....	12,675	7	2				2			
New Orleans.....	387,219	140	11	1	115		7	1	28	12
Maine:										
Auburn.....	16,985	2	1			31				
Bangor.....	25,978					6		4		1
Biddeford.....	18,008		2			6				
Lewiston.....	31,791	7	2			32			2	
Portland.....	69,272	22	2	1	17		1			3
Sanford.....	10,691	6								1
Maryland:										
Baltimore.....	733,826	210	51	2	22		16		21	19
Cumberland.....	29,837	9	3							
Massachusetts:										
Amesbury.....	10,036	3	1							
Arlington.....	18,665	5								
Attleboro.....	19,731	6	1				2		5	
Beverly.....	22,561	4					1			

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.
City Reports for Week Ended Dec. 11, 1920—Continued.

Place,	Population Jan. 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Massachusetts—Continued.										
Boston.....	748,020	197	64	5	26		31	2	49	11
Brockton.....	66,138	6	1		1		1			
Cambridge.....	109,694	39	7		10		5		6	6
Chelsea.....	43,184	6	1		9		1		3	1
Chicopee.....	36,214	8	3							1
Clinton.....	12,979	7			47					
Danvers.....	11,108								3	
Dedham.....	10,792	0								
Easthampton.....	11,261		2							
Everett.....	40,129	9	3						2	1
Fall River.....	120,485	36	10	2	15	2	1		7	3
Gardner.....	16,971	3			1		2		2	
Greenfield.....	15,462	3					6			
Haverhill.....	53,884	11	11						2	1
Holyoke.....	60,203	20					2		1	4
Lawrence.....	94,270	17		1			10		6	3
Loomisster.....	19,744	2			1				1	
Lowell.....	112,479	22	15		86	2	8		6	1
Lynn.....	99,148	21	8		2		6		1	2
Medford.....	39,033	8	3				1		3	
Melrose.....	18,204	4	1		2		1		1	
Methuen.....	15,189	3	3		2		2		1	
New Bedford.....	121,217	25	8		2				5	1
Newburyport.....	15,618	6			2					
Newton.....	46,054	12	2		17		3			
North Adams.....	22,282	7		1	3		1			
Northampton.....	21,951	6	1		1				1	
Peabody.....	19,552	5							1	1
Pittsfield.....	41,751	9	2		20		1		2	
Plymouth.....	13,045	5								1
Quincy.....	47,876	8	5				3		2	
Salen.....	42,529	12	1						1	1
Somerville.....	93,091	32	5		3		2		4	3
Southbridge.....	14,245	3								
Springfield.....	129,563	35	10	1	6		15	1	7	2
Taunton.....	37,137	17	1		10		3		1	1
Waltham.....	30,915	12	1		5		2			
Watertown.....	21,457	3	1	1	7				1	
West Springfield.....	13,443	4					3			
Westfield.....	18,604	3								
Winthrop.....	15,455	2			1		1			
Woburn.....	16,574	3								
Worcester.....	179,754	53	6				13		5	4
Michigan:										
Ann Arbor.....	19,516	11					5	1		
Battle Creek.....	36,164		4	1			2			
Benton Harbor.....	12,233	3			1		1			
Detroit.....	993,739	195	155	9	6		100	3	32	13
Flint.....	91,599	23	18				10	1		
Grand Rapids.....	137,634	40	17	1	1		21		5	
Highland Park.....	46,499	8	2		1				5	
Holland.....	12,166	2	1				3		1	1
Ironwood.....	15,739	2			36		6			
Ishpeming.....	10,500	5	4	1			2			
Kalamazoo.....	48,858	25	1	1	1		24			
Marquette.....	12,718	2								
Muskegon.....	36,570	9	4	2			2	1	1	1
Pontiac.....	34,273	6	1				16	1		
Port Huron.....	25,944	8	2				1		2	
Sault Ste. Marie.....	12,096	3					2			
Minnesota:										
Duluth.....	98,917	14	3		1		3		1	3
Hibbing.....	15,080				3					
Minneapolis.....	380,582	69	18	2	2		45	2	14	4
St. Cloud.....	15,873		2							
St. Paul.....	234,595	50	40	1	1		17	2	16	4
Winona.....	19,143						5		1	
Missouri:										
Cape Girardeau.....	10,252	9	4	1			2			1
Independence.....	11,636	11		3			2			1

December 31, 1920.

**DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—
Continued.**

City Reports for Week Ended Dec. 11, 1920—Continued.

Place.	Population Jan. 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Missouri—Continued.										
Jefferson City	14,490	5								1
Joplin	29,855		2				3			
Kansas City	324,410	81	25	1	7		23		1	6
Ft Joseph	77,939	24	4				5			
St. Louis	772,807	162	183	5	6		37		27	11
Springfield	39,631	15		1						
Montana:										
Anaconda	11,668	5			2		3			
Billings	15,109	1			62		1			
Butte	41,611	13	1	1	23				1	
Great Falls	24,121	5			9		2		1	1
Missoula	12,668	5			1				2	
Nebraska:										
Lincoln	54,934	19	3				3			1
Omaha	191,601	25	7		1		3			2
Nevada:										
Reno	12,016	6								
New Hampshire:										
Berlin	16,104	5			18					
Concord	22,167	3			1					1
Dover	13,629	3			2					
Keene	11,210	1								
Manchester	78,384	13	22							
Nashua	28,379	6	1		1		3			
New Jersey:										
Asbury Park	12,409	3					1			
Atlantic City	59,632	11	7				8			
Bayonne	76,751		9		1		2			
Bellefonte	15,669		1							
Bloomfield	22,019	3					1			
East Orange	50,710	10	31				3			
Elizabeth	95,682		9				2			
Englewood	11,627	3								
Garfield	19,381		2							
Glooucester City	12,162						1			
Hackensack	17,667	4	6							
Harrison	15,721		5				1			
Hoboken	68,166	18								
Irvington	25,480		2				2			
Jersey City	297,864		28		6		13		10	
Kearny	26,724	7	10				2			
Montclair	28,810	6			8		2			
Morristown	12,548	5	1							
New Brunswick	32,779		4						3	
Newark	414,216	85	37	2	45	1	17	1	22	5
Orange	33,268	8	2				4		1	
Passaic	63,824	14	5	1	7		1		2	
Paterson	135,866		3		1		7		4	
Phillipsburg	16,923	5								
Plainfield	27,700	8	3				3			
Rahway	11,042	2	1							
Trenton	119,280	40	6				4		9	6
West Hoboken	40,068	6	2							
West New York	29,926	2	4	2						
West Orange	15,573		2		2		2		1	
New Mexico:										
Albuquerque	15,157	10	5	1	10				1	6
New York:										
Albany	113,314		8		32		2		4	
Bronx	10,996	3								
Buffalo	506,775	148	111	8	75		18		25	7
Cohoes	22,387	2			62		1			
Elmira	45,395	15	3	1			3			
Geneva	14,648	4								
Glens Falls	16,638	7								
Ithaca	17,004	6								
Jamestown	38,917		8				13		3	
Lockport	21,308	3	3				1		1	
Middletown	18,420	2	3		41		1		1	1
Mount Vernon	42,726	14	3		1		1		2	

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended Dec. 11, 1920—Continued.

Place.	Population Jan. 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New York—Continued.										
New York.....	5,621,151	1,144	449	18	84	2	273	13	1,265	486
Niagara Falls.....	50,760	15	7	2	—	—	33	—	—	—
North Tonawanda.....	15,482	3	—	1	—	—	—	—	—	—
Ogdensburg.....	14,609	8	—	—	—	—	—	—	—	—
Olean.....	20,506	4	6	—	19	—	1	—	1	—
Peekskill.....	15,863	1	—	—	—	—	1	—	—	—
Plattsburg.....	10,509	3	—	—	—	—	—	—	—	—
Poughkeepsie.....	35,000	16	1	—	—	—	—	—	1	—
Rochester.....	295,750	59	104	2	5	—	34	2	8	4
Rome.....	26,341	—	—	—	8	—	1	—	4	—
Saratoga Springs.....	13,181	2	—	—	—	—	—	—	1	—
Schenectady.....	88,723	16	5	—	19	—	—	—	4	2
Syracuse.....	171,717	41	23	1	32	—	24	1	1	—
Troy.....	72,013	17	1	—	61	—	1	—	4	2
Watertown.....	31,285	0	2	—	—	—	3	—	—	—
White Plains.....	21,031	3	2	—	—	—	1	—	2	—
Yonkers.....	100,226	24	13	5	—	—	4	—	—	2
North Carolina:										
Charlotte.....	46,338	12	—	—	13	—	1	—	—	—
Durham.....	21,719	1	1	—	1	—	3	—	3	1
Greensboro.....	19,861	9	—	—	—	—	—	—	—	—
Raleigh.....	24,418	9	3	—	28	—	3	—	—	—
Rocky Mount.....	12,742	7	—	—	—	—	—	—	—	—
Wilmington.....	33,372	10	1	—	—	—	1	—	—	—
Winston-Salem.....	48,395	13	3	—	2	—	3	—	4	2
North Dakota:										
Fargo.....	21,961	3	—	—	—	—	2	—	—	—
Ohio:										
Akron.....	208,435	30	13	—	8	—	15	—	15	—
Alliance.....	21,603	5	1	—	—	—	—	—	1	—
Ashtabula.....	22,082	2	2	—	—	—	1	—	—	—
Barberton.....	18,811	6	—	—	—	—	—	—	—	—
Canton.....	87,091	7	9	—	2	—	4	—	3	—
Cincinnati.....	401,247	118	24	2	3	—	37	1	19	10
Cleveland.....	796,836	—	39	3	27	—	81	6	22	13
Columbus.....	237,031	71	23	1	—	—	15	1	6	5
Dayton.....	152,559	35	9	—	—	—	3	—	1	—
East Cleveland.....	27,292	—	1	—	1	—	1	—	1	—
Findlay.....	17,021	2	1	—	—	—	—	—	—	—
Fremont.....	12,468	—	—	—	—	—	2	—	—	—
Hamilton.....	39,675	7	2	—	—	—	15	—	—	1
Lancaster.....	14,706	4	—	—	—	—	1	—	—	—
Lima.....	41,306	10	1	—	2	—	6	—	—	1
Lorain.....	37,295	—	2	—	—	—	—	—	1	—
Mansfield.....	27,824	10	—	—	—	—	—	—	—	1
Marion.....	27,891	—	1	—	—	—	—	—	2	—
Middletown.....	23,504	4	1	—	—	—	2	—	2	1
Newark.....	26,718	11	—	—	—	—	1	—	—	—
New Philadelphia.....	10,718	—	3	—	—	—	—	—	—	—
Norwood.....	24,966	3	1	—	—	—	2	—	—	—
Piqua.....	15,044	—	1	—	—	—	—	—	—	—
Sandusky.....	22,807	3	—	—	—	—	—	—	—	—
Springfield.....	60,840	15	2	—	10	—	4	—	—	1
Steubenville.....	28,508	14	1	—	2	—	1	—	—	—
Toledo.....	243,109	55	35	2	—	—	15	—	10	1
Youngstown.....	132,358	27	4	2	6	—	7	—	5	2
Zanesville.....	29,569	9	3	—	—	—	—	—	—	—
Oklahoma:										
Oklahoma City.....	91,288	19	11	1	1	—	2	—	2	—
Tulsa.....	72,075	—	10	—	—	—	2	—	—	—
Oregon:										
Eugene.....	10,593	—	—	—	4	—	—	—	—	—
Portland.....	258,288	57	13	—	21	—	2	—	7	4
Pennsylvania:										
Allentown.....	73,502	—	5	—	52	—	5	—	—	—
Altoona.....	60,331	—	4	—	—	—	2	—	—	—
Beaver Falls.....	12,872	—	3	—	2	—	23	—	1	—
Bethlehem.....	50,358	—	—	—	—	—	22	—	—	—
Braddock.....	20,879	—	—	—	5	—	2	—	—	—
Carbondale.....	18,640	—	6	—	24	—	—	—	—	—
Carlisle.....	10,916	—	3	—	—	—	2	—	—	—

¹Pulmonary tuberculosis only.

December 31, 1920.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—
Continued.

City Reports for Week Ended Dec. 11, 1920—Continued

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—
 Continued.

City Reports for Week Ended Dec. 11, 1920—Continued.

Place.	Population Jan. 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases,	Deaths,	Cases,	Deaths,	Cases,	Deaths,	Cases,	Deaths,
Virginia:										
Alexandria.....	18,060	4	2	1						
Lynchburg.....	29,956	10	1		1					
Norfolk.....	115,777	4	4		10		1			
Petersburg.....	31,002	9	6							
Richmond.....	171,667	46		13						
Roanoke.....	50,842	8	11		5		4	8	4	1
Washington:										
Everett.....	27,644							1		
Seattle.....	315,652		19		2			9		
Spokane.....	104,437		2		1		4			
Tacoma.....	96,965		2		9		3			
Walla Walla.....	15,503		4							
Yakima.....	18,539			2						
West Virginia:										
Charleston.....	39,608	6	2		15					1
Fairmont.....	17,851		3							
Huntington.....	50,177	28	1				1			
Martinsburg.....	12,515		2							
Morgantown.....	12,127				18		1			
Moundsville.....	10,669	1						1		
Parkersburg.....	20,050		7				2			
Wheeling.....	54,322	16	9		2		8			1
Wisconsin:										
Appleton.....	19,561							1		
Beloit.....	21,284	6								
Eau Claire.....	20,880				1		1		1	
Fond du Lac.....	23,427	3	13							
Green Bay.....	31,017	3	4							1
Janesville.....	18,293	6					2			
Kenosha.....	40,472	5					2			
Madison.....	38,378	8			1					
Manitowoc.....	17,563		1				2			
Marinette.....	13,610				2					
Milwaukee.....	457,147	102	85	6	8		40	1	17	4
Oshkosh.....	33,162	2	1							
Racine.....	58,593	13	33	3			11		2	1
Sheboygan.....	30,955		1				1			
Superior.....	39,624	12	2		2		2	1	1	2
Wausau.....	18,661	6	1						1	

FOREIGN AND INSULAR.

TYPHUS FEVER ON VESSEL.

Steamship "Osterley"—Fremantle, Australia.

On October 22, 1920, the steamship *Osterley* from London to Australian ports, via Naples, Suez, and Colombo, arrived at Fremantle, Australia, with a history of typhus fever occurring on board, en route, in the person of a passenger embarked at Naples September 27. The case was reported October 7, 1920, and was removed from the vessel at Colombo, Ceylon, October 11. On arrival of the *Osterley* at Fremantle, October 22, the contacts and one hospital employee were landed at the quarantine for special observation. All passengers for western Australia were landed in quarantine. The *Osterley* left Fremantle in quarantine October 23, arriving at Adelaide October 27, at Port Nepean quarantine station, Victoria, October 30, and proceeding to Sydney for final release of passengers and treatment of vessel. Measures are stated to have been taken for the destruction of lice.

JAMAICA.

Infectious Disease Reported Present.¹

During the week ended November 27, 1920, 295 new cases of alastrim or Kaffir milk pox were reported in the island of Jamaica.

Summary of Reported Prevalence.

Information dated August 20, 1920, showed the presence in the island of Jamaica of an infectious disease resembling smallpox, with 300 reported cases. Later information showed the occurrence of 500 cases with 3 fatalities during the week ended August 21, 1920. The disease continued to be reported present in epidemic form, under the names of alastrim or Kaffir milk pox. The total number of reported cases from the date of outbreak to November 27, was about 5,000.

¹ Public Health Reports, Sept. 3, 1920, p. 2132; Sept. 21, 1920, p. 2298; Oct. 15, 1920, p. 2191; Oct. 23, 1920, p. 2603; Nov. 19, 1920, p. 2814; Dec. 3, 1920, p. 2343; Dec. 10, 1920, p. 2994.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.**Reports Received During Week Ended Dec. 31, 1920.¹****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
Chosen (Korea).....				
Chemulpo.....	Aug. 1-Nov. 4.....	23	21	
Chinnampo.....	do.....	34	23	
Fusan.....	do.....	664	518	
Gensan.....	do.....	1	1	
Mokpo.....	do.....	28	18	
Seoul.....	do.....	1,068	883	
India.....	Oct. 17-30.....	60	58	Sept. 19-25, 1920: Deaths, 1,640.
Calcutta.....				

PLAQUE.

Argentina:				
Rosario.....	Oct. 1-31.....		2	
Brazil:				
Rio de Janeiro.....	Oct. 9-16.....	5		
Ceylon:				
Colombo.....	Oct. 31-Nov. 6.....	9	2	
Ecuador:				
Guayaquil.....	Nov. 1-15.....	19	8	
India:				
Madras Presidency.....	Nov. 7-13.....	662	458	
Java:				
West Java— Batavia.....	Oct. 15-21.....	1	1	
Peru:				
Trujillo-Salaverry.....	Nov. 8-14.....	1		
Straits Settlements:				
Singapore.....	Oct. 24-30.....	1	1	

SMALLPOX.

Brazil:				
Rio de Janeiro.....	Sept. 26-Oct 23.....	75	13	
Canada:				
Alberta— Calgary.....	Nov. 27-Dec. 11.....	2	1	
Ontario— Hamilton.....	Dec. 12-18.....	4		
Kingston.....	Nov. 28-Dec. 11.....	5		
North Bay.....	Dec. 5-11.....	2		
Ottawa.....	do.....	40		
Saskatchewan— Moosejaw.....	do.....	2		
Saskatoon.....	do.....	14		
Ceylon:				
Colombo.....	Oct. 31-Nov. 6.....	1		
China:				
Amoy.....	do.....		2	
Harbin.....	Nov. 1-7.....	1		
Mukden.....	Oct. 31-Nov. 6.....			
Tientsin.....	Nov. 7-13.....	1	1	
Cuba:				
Santiago.....	Nov. 10-20.....	11		
Ecuador:				
Guayaquil.....	Nov. 1-15.....	11		
France:				
Rouen.....	Nov. 11-20.....	1		
Great Britain:				
Glasgow.....	Nov. 28-Dec. 4.....	1		
India:				
Madras.....	Nov. 7-13.....	2	1	
Java:				
West Java— Batavia.....	Oct. 15-28.....	4	2	Oct. 15-28, 1920: Cases, 62; deaths, 6.
Malta.....				Oct. 1-30, 1920: Cases, 1.
Mexico:				
Chihuahua.....	Nov. 29-Dec. 5.....		1	
Portugal:				
Lisbon.....	Nov. 21-27.....		5	

¹ From medical officers of the Public Health Service, American consuls, and other sources.

December 31, 1920.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received During Week Ended Dec. 31, 1920—Continued.

SMALLPOX—Continued.

Place:	Date.	Cases.	Deaths.	Remarks.
Spain:				
Barcelona.....	Nov. 11-17.....	4	3	
Valencia.....	Nov. 21-27.....	4	.....
Tunis:				
Tunis.....	Nov. 22-28.....	4	3	
Turkey:				
Constantinople.....	Nov. 11-20.....	2	.....

TYPHUS FEVER.

Egypt:				
Cairo.....	Sept. 21-30.....	2	1	
Italy:				
Trieste.....	Nov. 11-20.....	11	3	
Mexico:				
Los Mochis.....	Nov. 28-Dec. 4.....	2	.....	State of Sinaloa.
Portugal:				
Oporto.....	Nov. 21-27.....	3	.....

YELLOW FEVER.

Mexico:				
Guaymas.....	Nov. 1-30.....	.....	1	

Reports Received from June 26 to Dec. 31, 1920.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Rio de Janeiro.....	June 27-July 3.....	.....	1	
China:				
Ainoy.....	June 20-Aug. 14.....	.....	12	
Antung.....	Aug. 9-31.....	2	1	
Canton.....	July 1-Aug. 31.....	5	4	
Changsha.....	Aug. 22-Oct. 16.....	138	51	
Chungking.....	May 16-24.....	.....	1,319	
Do.....	June 6-Sep. 11.....	.....	5,322	
Dairen.....	Sept. 29.....	4	1	
Foochow.....	July 11-24.....	.....		Present and in vicinity.
Hankow.....	July 4-17.....	12	5	
Harbin.....	.....	.....
Hongkong.....	Aug. 8-Nov. 6.....	3	3	
Nanking.....	Sept. 12-Oct. 30.....	.....	6	Several cases reported at Nanking University, Aug. 30. Reported prevalent among Chinese, Aug. 30.
Shanghai.....	Aug. 2-29.....	1	6	Aug. 1-Oct. 7, 1920: Cases, 24, 535; deaths, 12,549.
Tientsin.....	Oct. 3-9.....	15	.....
Tsimanfu.....	Oct. 21-30.....	5	.....
Chosen (Korea):				
Chenulip.....	Aug. 1-Nov. 4.....	23	21	Nov. 5-18, 1920: Cases, 113; deaths, 87. Aug. 1-Nov. 4, 1920: Cases, 23,902; deaths, 13,234.
Chinamp.....	Aug. 1-Nov. 4.....	34	23	
Fusan.....	Aug. 1-Nov. 4.....	664	518	
Gensan.....	Aug. 27-Nov. 4.....	1	1	
Mokpo.....	Aug. 1-Nov. 4.....	23	18	
Seoul.....	Aug. 1-Nov. 4.....	1,068	883	
Galicia:				
Buezacz.....	Oct. 18.....	.....	.....	Present.
Greece:				
Patras.....	July 23-Aug. 1.....	.....	.....	Present in surrounding country.
Zante.....	Aug. 2-8.....	.....	.....	Present.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from June 26 to Dec. 31, 1920—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay	May 2-June 26	85	36	
Do.	June 27-Oct. 9	106	69	
Calcutta	May 2-June 24	439	423	
Do.	July 18-Oct. 30	274	263	
Madras	May 2-June 26	20	13	
Do.	July 11-Oct. 30	16	3	
Rangoon	June 27-Oct. 16	23	17	
Indo-China:				
Saigon	Apr. 26-June 13	13	94	
Do.	July 26-Sept. 5	9	5	
Japan:				
Kobe	June 14-27	36	24	Kobe, June 6-13, 34 cases. Moji,
Do.	June 28-Oct. 17	409	223	June 6-12, 10 cases. Kochi,
Nagasaki	June 21-27	7		June 6-12, 1 case. Hiroshima,
Do.	June 28-July 18	34	13	June 6-12, 6 cases.
Osaka	June 8			Present.
Taiwan Island	May 22-June 30	66	38	
Do.	July 11-Nov. 10	2,043	984	
Java:				
West Java	Apr. 30-June 3	6	2	Oct. 8-14, 1920: Cases, 4; deaths, 1.
Batavia	June 25-Oct. 14	4		June 4-17; Present.
Philippine Islands:				
Manila	May 9-June 26	5	1	May 9-June 26, 1920: Cases, 16;
Do.	June 27-Oct. 23	7		deaths, 12. June 27-July 17,
Provinces—				1920: Cases, 63; deaths, 31.
Albay	May 9-15	2	1	July 25-31: Cases, 57; deaths, 48
Batungas	June 27-July 3	1		
Bohol	do	1	1	
Cagayan	May 9-June 26	11	19	
Do.	June 27-Oct. 2	55	23	
Cavite	Sept. 5-11	1	1	
Iloilo	June 27-July 17	3		
Isabela	July 11-Sept. 4	25	26	
Laguna	July 4-10	8		
Masbate	do	1	1	
Misamis	July 11-17	4	2	
Nueva Viscaya	July 25-31	49	42	
Pangasinan	July 4-Aug. 7	7	5	
Tarlac	Sept. 12-18	1	1	
Poland:				
Warsaw	Oct. 28	1	1	Nov. 21, 1920: Cholera reported in Pesen. Nov. 29: At Warsaw, about 50 cases, estimated.
Russia:				Case occurred in employee on river boat plying between Warsaw and Danzig.
Grodno	Oct. 18			Reported prevalent in southern Russia, June 4, 1920.
Sebastopol (district)	June 20			Present.
Simferopol				Reported increasing.
Vilna	Sept. 28	40		Jan.-June, 1920: Cases, 1,262; deaths, 584. South Russia, Government of Tauride.
Siam:				Oct. 18: Present.
Bangkok	Apr. 25-June 26	542	343	
Do.	June 26-Oct. 9	73	30	
Straits Settlements:				
Singapore	July 18-Oct. 2	26	24	
Sumatra:				
Medan	Aug. 20-Sept. 3	1		On local steamship. From Singapore.
Turkey:				
Ankaria	Dec. 21	1		Asiatic Turkey.
Kaiseri	Dec. 22	1		Do.
Karassi	Jan. 3	1		Do.
Mamuret-ul-Aziz	Dec. 31	1	1	Do.
Panderma	Dec. 21-Jan.	16	6	
Rodosto	Dec. 29	1		European Turkey.
Smyrna	Dec. 22	3	2	Asiatic Turkey..
On vessel:				
S. S. Keketicent	Aug. 2	1		U. S. S.: At Shanghai.
Steamship (local)	Aug. 20-Sept. 3	1	1	At Medan, island of Sumatra. From Singapore.

December 31, 1920.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from June 26 to Dec. 31, 1920—Continued.****PLAGUE.**

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria: Algiers.....				Sept. 1-Oct. 31, 1920: Cases, 4; deaths, 1.
Argentina: Rosario.....	Oct. 1-31.....		2	
Azores: St. Michaels.....	Oct. 4-20.....	35	12	Oct. 4, 1920: 5 suspect cases isolated vicinity of Ponta Delgada. Oct. 1-31, 1920: Cases, 76; deaths, 27. To Nov. 16: Cases, 110; deaths, 39. Nov. 6-26: Cases, 59; deaths, 16.
Do.....	Nov. 10-29.....	34	10	
Ponta Delgada.....	Oct. 1-26.....	2		
Brazil: Bahia.....	Apr. 25-May 22.....	10	10	
Do.....	June 27-Oct. 30.....	13	7	
Ceara.....	Sept. 5-25.....		4	
Pernambuco.....	May 3-9.....	1	1	
Do.....	June 28-Aug. 15.....	32	16	
Porto Alegre.....	June 27-Oct. 24.....		2	Oct. 21-30, 1 case.
Rio de Janeiro.....	Oct. 9-16.....	5		
British East Africa: Kisumu.....	Apr. 25-June 26.....	14	12	Apr. 1-30, 1920: Cases, 22; deaths, 9.
Do.....	July 11-Oct. 30.....	13	7	Present.
Mombasa.....	Apr. 25-June 26.....	104	39	
Do.....	June 27-Oct. 30.....	163	112	
Nairobi.....	Apr. 25-June 10.....	14	8	
Do.....	Oct. 17-23.....	2	2	
Ceylon: Colombo.....	May 25-June 12.....	7	2	
Do.....	June 27-Nov. 6.....	62	43	
Chile.....				
Antofagasta.....	May 17-June 20.....	5		
Do.....	July 5-Nov. 21.....	14	1	Mar. 1-May 31, 1920: Cases, 15; deaths, 2. Plague reported in Departments of Tacna and Tarapacá.
Iquique.....	Mar. 1-May 31.....	8	1	Mar. 1-May 31, 1920: Cases, 7; deaths, 1.
China: Amoy.....	June 20-Sept. 18.....		8	
Hongkong.....	Apr. 4-June 26.....	90	70	
Do.....	June 27-Oct. 23.....	29	26	
Ecuador: Guayaquil.....	Aug. 16-Nov. 15.....	28	9	
Egypt: Cities—				Jan. 1-Nov. 18, 1920: Cases, 447; deaths, 259.
Alexandria.....	June 18-Oct. 9.....	13	7	
Port Said.....	Aug. 2-Sept. 26.....	3		
Suez.....	May 13-June 8.....	12	6	3 cases pneumonic.
Do.....	July 3-Nov. 10.....	8	3	
Provinces—				
Assiout.....	May 15-June 5.....	7	4	
Do.....	July 2-Sept. 13.....	7	1	
Beni-Souef.....	July 7-10.....	2	1	
Fayoum.....	June 5.....	1		
Gharbieh.....	Do.....	1		
Do.....	July 1-Nov. 12.....	24	20	
Girgeh.....	Sept. 22.....	1	1	Pneumonic.
Keneh.....	May 18.....	1		
Mariut.....	May 18-June 8.....	19	22	
Do.....	July 3-9.....	1	2	
Minieh.....	May 15.....	2	1	Septicemic.
Do.....	July 13.....	1		
Fiume.....	Sept. 21.....	4	2	
Great Britain: Liverpool.....	June 20-26.....	1	1	
Greece: Athens.....	Aug. 19-Oct. 14.....	3	2	
Chios.....	Oct. 14.....	1		
Dante.....	July 22.....	2		
Kavalla.....	July 5-Oct. 3.....	4		
Nauplia.....	Aug. 21.....	2		
Piraeus.....	June 29-Sept. 20.....	12	1	Approximately 20 cases Sept. 9.
Saloniki.....	Sept. 25-Oct. 8.....	4		
India: Bombay.....	Apr. 18-June 26.....	170	135	Apr. 18-June 26, 1920: Cases, 12,476; deaths, 9,961. June 27-Oct. 23, 1920: Cases, 45,955; deaths, 32,215.
Do.....	June 27-Oct. 25.....	63	50	
Calcutta.....	May 2-June 12.....	26	19	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.
Reports Received from June 26 to Dec. 31, 1920—Continued.
PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
Karachi.....	May 9-Oct. 16.....	82	74	
Madras Presidency.....	May 9-June 26.....	163	131	
Do.....	June 27-Nov. 13.....	8,689	6,193	
Rangoon.....	Apr. 25-June 26.....	120		
Do.....	June 27-Oct. 30.....	268	233	
Indo-China.....				Jan. 1-31, 1920: Cases, 42; deaths, 40. Feb. 1-29, 1920: Cases, 41; deaths, 36. Mar. 1-31, 1920: Cases, 79; deaths, 70. Apr. 1-30, 1920: Cases, 69; deaths, 63. May 1-31, 1920: Cases, 87; deaths, 75. June 1-30, 1920: Cases, 72; deaths, 63.
Saigon.....	May 10-June 13.....	9	2	
Do.....	July 26-Aug. 15.....	5	4	
Italy:				
Catania.....	June 22-July 3.....	3	2	
Java:				
East Java.....				Apr. 23-May 5, 1920: Cases, 7; deaths, 7. Apr. 15-June 16, 1920: Cases, 8; deaths, 8. Aug. 5-25, 1920: Cases, 4; deaths, 4. Surabaya Residency.
West Java—				
Batavia.....	July 22-Oct. 21.....	17	17	
Mesopotamia:				
Bagdad.....	June 1-30.....	6	3	
Do.....	Sept. 1-30.....	1		
Mexico:				
Cerritos.....	Oct. 29-Nov. 10.....	31	17	State of San Luis Potosi. Present in vicinity.
Tampico.....	July 26 Sept. 27.....	4	3	May 23-July 14, 1920: Cases, 49; deaths, 29. Corrected statement: From outbreak in May to July 20, 1920—cases, 68; deaths, 34. Nov. 8-14, 1920: Two plague-infected rodents found.
Vera Cruz.....	June 14-20.....	11	1	
Do.....	July 18-21.....	2	2	
Peru:				
Callao.....	Mar. 1-3 pr. 30.....	15	7	Mar. 1-31, 1920: Cases, 46; deaths, 22. Apr. 1-30, 1920: Cases, 36; deaths, 13. In coastal departments.
Do.....	Apr. 1-31.....	1		
Lima (city).....	Mar. 1-31.....	5	3	
Do.....	Apr. 1-30.....	4	4	
Lima (country).....	Mar. 1-31.....	1	1	
Do.....	Apr. 1-30.....	1		
Mollendo.....	Mar. 1-31.....	13	9	
Paita.....	...do.....	5	2	
Do.....	Apr. 1-30.....	2		
Salaverry.....	Mar. 1-31.....	4	3	
Do.....	Apr. 1-30.....	1		
San Pedro.....	...do.....	6	1	
Trujillo—Salaverry.....	May 31-June 21.....	3	2	
Do.....	Aug. 30-Nov. 11.....	8	11	
Russia:				
Batum.....	Sept. 28.....			Prevalent.
Siam:				
Bangkok.....	Apr. 25-June 5.....	8	5	
Do.....	June 28-Aug. 28.....	6	3	
Straits Settlements:				
Singapore.....	Apr. 25-June 19.....	14	13	
Do.....	July 11-Oct. 30.....	4	4	May 16-22, 1920: Cases, 2; deaths, 3.
Syria:				
Beirut.....	June 30.....			Present.
Turkey:				
Constantinople.....	July 25-Aug. 21.....	7	6	
Uruguay:				
Montevideo.....	June 1-30.....	1	1	

SMALLPOX.

Algeria:				
Departments—				
Algiers.....	May 11-Aug. 31.....	51		City of Algiers, Apr. 1-30, 1920: 1 case. July 1-Aug. 31, 1920: Cases, 4; deaths, 2.
Constantine.....	June 1-Aug. 31.....	18		
Oran.....	May 11-Aug. 31.....	168		May 30-June 26, 1920: Cases, 27. June 27-July 28, 1920: Cases, 35.
Austria:				
Gratz.....	July 11-28.....	5		
Vienna.....	May 30-June 26.....	1		
Do.....	July 11-28.....	1		

December 31, 1920.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from June 26 to Dec. 31, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Azores:				
Ponta Delgada	July 17-Aug. 20	7		
St. Michaels	Aug. 21-27	1		From Madeira.
Bolivia:				
La Paz	May 2-June 30	10	8	
Do.	July 1-Sept. 30	18	8	
Brazil:				
Bahia	Apr. 25-June 26	5	5	
Do.	June 27-Oct. 23	22	2	
Pernambuco	Mar. 29-June 27	114	3	
Do.	June 30-Oct. 17	269	5	
Rio de Janeiro	Apr. 11-June 26	431	6	
Do.	June 27-Oct. 23	182	41	
Santos	Mar. 24-28	1		
Do.	July 25-Sept. 25		9	
Sao Paulo	June 21-27		1	
Do.	June 27-Oct. 17		6	
British East Africa:				
Mombasa	May 2-22	2	1	
Do.	July 11-17	3		Mar. 1-31, 1920: Cases, 107. Apr.
Nairobi	May 23-June 26	11	1	1-30, 1920: Cases, 69. Reported by native inspectors.
Do.	Aug. 1-21	5		
Bulgaria:				
Sofia	July 11-17	1		
Canada:				
Alberta—				
Calgary	June 3-9	1		
Do.	July 4-Dec. 11	9		
British Columbia—				
Vancouver	May 16-Aug. 28	4		
Manitoba—				
Winnipeg	May 29-June 5	3		
Do.	Aug. 8-21	2		
New Brunswick—				
Bonaventure and Gaspe Counties	Aug. 1-Oct. 31	2		
Carleton County	Sept. 19-25	1		
Gloucester County	May 31-June 26	5		
Do.	Sept. 19-Nov. 27	6		
Madawaska County	Oct. 31-Dec. 4	2		
Northumberland County	Nov. 28-Dec. 4	1		
Quebec County	July 4-Aug. 21	7		Sept. 26-Nov. 6, 1920: Cases, 4.
Restigouche County	Campbellton	7		
Nova Scotia—				
Halifax	do	2		
Sydney	May 31-June 26	2		
Do.	Nov. 7-27	4		
Ontario—				
Cornwall	June 25-30	2		
Fort William and Port Arthur	July 11-Oct. 2	4		
Hamilton	June 13-Dec. 18	25		
Kingston	May 31-June 19	4		
Do.	Oct. 31-Dec. 11	23		
Montreal	Oct. 24-30	1		
North Bay	June 23-29	1		
Do.	July 11-Dec. 11	16		
Ottawa	June 6-26	32		
Do.	June 27-Dec. 11	347		
Peterborough	Apr. 18-July 31	33	1	
Prescott	July 11-17	1		
Do.	Aug. 1-14			
Sault Ste. Marie	Oct. 21-30	1		Present at Cardinal and Brockville.
Toronto	June 6-19	13		
Do.	June 28-Dec. 11	49		
Windsor	Aug. 22-Sept. 11	5		
Prince Edward Island—				
Charlottetown	Aug. 12-Oct. 13	2		
Quebec—				
Montreal	June 13-19	1		
Do.	July 4-Aug. 7	4		
Quebec	June 27-Dec. 4	12		
Saskatchewan—				
Moose Jaw	June 26-30	6		
Do.	July 25-Dec. 11	5		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.
Reports Received from June 26 to Dec. 31, 1920—Continued.
SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
Saskatchewan—Continued.				
Regina.....	June 2-30.....	1		
Do.....	Oct. 3-30.....	5		
Saskatoon.....	Sept. 5-Dec. 11.....	23		
Ceylon:				
Colombo.....	May 9-June 5.....	2		
Do.....	Aug. 29-Nov. 6.....	55	7	
Chile:				
Antofagasta.....	May 17-23.....			1 case in interior.
China:				
Amoy.....	May 2-Nov. 6.....	4	24	Cases, foreign; deaths, native.
Antung.....	May 9-June 13.....	3	3	
Do.....	June 21-27.....	1		
Canton.....	Sept. 1-Oct. 31.....			Present.
Chungking.....	May 2-June 9.....			Do.
Do.....	July 11-Nov. 6.....			Do.
Dairen.....	Sept. 28-Nov. 1.....	2	1	Do.
Foo-tow.....	May 9-29.....			Do.
Do.....	July 26-Nov. 6.....			Do.
Hankow.....	June 20-26.....	2		
Harbin.....	Sept. 27-Nov. 7.....	3		
Hongkong.....	Apr. 4-June 26.....	19	15	Year 1919: Cases, 79. On Eastern Chinese R. R. line. At other stations, 109 cases.
Do.....	June 27-July 17.....	2	2	
Mukden.....	July 19-Nov. 6.....			Present.
Nanking.....	May 9-June 5.....			Do.
Do.....	July 4-Nov. 13.....			Do.
Pogranitchnaya.....	Oct. 25-31.....	3		On Eastern Chinese Railway.
Tientsin.....	May 25-June 20.....	4		
Do.....	Nov. 7-13.....	3	1	
Tsinanfu.....	May 9-15.....	1		
Do.....	Oct. 24-30.....	13		
Chosen (Korea):				
Chemulpo.....	Mar. 1-June 30.....	60	40	
Do.....	July 1-31.....	18	8	
Fusan.....	Mar. 1-June 30.....	24	6	
Do.....	July 1-31.....	1	1	
Seoul.....	Mar. 1-June 30.....	358	86	
Do.....	July 1-31.....	15	6	
Colombia:				
Barranquilla.....	May 13-July 3.....			Epidemic.
Santa Marta.....	May 31-Dec. 4.....			Present.
Cuba:				
Antilla.....	Aug. 24-Nov. 29.....	6		
Habana.....	July 4.....	1		From steamship Frank Hennis, from Jamaica. Arrived Santiago June 30, 1920.
Matanzas.....	Aug. 15-21.....	1		In vicinity, at Aguanate, Aug. 1-7, 1920: Cases, 12.
Santiago.....	Nov. 10-20.....	11	1	August, 1919: Cases, 242; deaths, 51.
Cyprus.....				May 23-June 26, 1920: Cases, 345; deaths, 36.
Czechoslovakia:				
Moravia.....	Feb. 1-2.....	68		
Danzig.....	June 20-July 17.....	9	2	
Ecuador:				
Guayaquil.....	Oct. 1-Nov. 15.....	17	1	
Egypt:				
Alexandria.....	May 14-June 29.....	53	19	
Do.....	June 25-Nov. 4.....	14	4	
Cairo.....	Apr. 2-June 24.....	62	23	
Do.....	July 2-Sept. 23.....	6	1	
Port Said.....	Apr. 2-June 24.....	22	8	
Do.....	July 2-15.....	2	1	
France.....	May 15-31.....	1		
Brest.....	June 24-30.....		1	
Cette.....	do.....		1	
Nice.....	June 1-30.....		1	
Paris.....	May 1-10.....	3		
Rouen.....	Oct. 31-Nov. 20.....	2		
Germany:				
Berlin.....	July 26-Sept. 4.....	1		Feb. 22-June 12, 1920: Cases, 720. July 11-Sept. 4, 1920: Cases, 81; deaths, 6. Additional cases, May 26-July 17, 1920, 66; deaths, 2.

December 31, 1920.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from June 26 to Dec. 31, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Great Britain:				
Edinburgh.....	Aug. 29-Sept. 4.....	7	1	
Glasgow.....	May 25-June 26.....	136	22	
Do.....	July 4-Dec. 4.....	185	51	
Liverpool.....	July 18-Sept. 11.....	2		
London.....	June 13-July 19.....	14		
Manchester.....	Aug. 22-28.....	5		Oct. 24-30, 1920: Cases, 50. At Middletown, 6 miles distant.
Greece:				
Saloniki.....	May 31-June 27.....	4	1	
Do.....	July 25-Aug. 15.....	1	1	
Haiti.....				Nov. 6, 1920: Approximately 35 cases.
Jacmel.....	Nov. 6.....	1		In vicinity.
Port au Prince.....	Sept. 22-Nov. 7.....	50		
Honduras:				
San Pedro Sula.....	Sept. 5-11.....		1	
India.....				Apr. 11-May 22, 1920: Deaths, 7,743. May 30-June 26, 1920: Deaths, 3,861. July 25-Aug. 7, 1920: Deaths, 1,028. Aug. 15-Sept. 11, 1920: Deaths, 924.
Bombay.....	Apr. 26-June 26.....	103	45	May 9-15, 1920: Cases, 26; deaths, 11.
Do.....	June 27-Oct. 2.....	51	11	
Calcutta.....	May 2-June 12.....	101	93	
Do.....	July 18-Sept. 18.....	9	8	
Karachi.....	May 9-June 26.....	15	12	
Do.....	June 27-July 10.....	7	4	
Madras.....	May 9-June 26.....	27	15	
Do.....	June 27-Nov. 13.....	60	27	
Rangoon.....	Apr. 25-June 26.....	35	14	July 1-31, 1920: Cases, 22; deaths, 4.
Do.....	Aug. 8-Oct. 9.....	7	3	
Indo-China.....				Jan. 1-31, 1920: Cases, 410; deaths, 101. Feb. 1-29, 1920: Cases, 625; deaths, 119. Mar. 1-31, 1920: Cases, 782; deaths, 114. Apr. 1-30, 1920: Cases, 312; deaths, 25. May 1-31, 1920: Cases, 428; deaths, 61. June 1-30, 1920: Cases, 318; deaths, 220.
Saigon.....	May 10-June 13.....	12	3	
Do.....	Aug. 3-Sept. 5.....	1	1	
Italy:				
Catania.....	July 12-Oct. 31.....	27		Province, Sept. 18-Nov. 14, 31 cases.
Genoa.....	May 17-23.....	12		In Province.
Do.....	June 14-27.....	20		
Messina.....	June 28-July 4.....	3		
Do.....	May 10-June 27.....	7	1	Province, May 10-June 27: Cases, 168; deaths, 27.
Milan.....	June 28-Oct. 3.....	14	3	Province: Cases, 37; deaths, 3.
Naples.....	Mar. 1-May 31.....	3	5	
Do.....	May 23-June 20.....	7	3	
Palermo.....	Oct. 18-Nov. 7.....	8	21	
Trieste.....	May 11-Oct. 28.....	402	128	
Turin.....	Sept. 25-Oct. 2.....	16	5	
Japan:				
Kobe.....	May 9-June 27.....	10	5	
Do.....	June 28-July 18.....	7	2	
Taiwan Island.....	May 1-June 30.....	45	16	
Do.....	June 21-July 20.....	19	11	
Tokyo.....	Apr. 21-May 10.....	5	4	
Java:				
East Java—Surabaya.....	Sept. 5-11.....	1		Apr. 16-June 24, 1920: Cases, 56; deaths, 10. June 25-Oct. 28, 1920: Cases, 230; deaths, 40.
West Java—Batavia.....	Apr. 16-June 17.....	94	26	Feb. 1-June 23, 1920: Cases, 2,519; deaths, 561.
Do.....	July 9-Oct. 28.....	22	7	
Jugo-Slavia.....				
Liberia: Monrovia.....	Nov. 30.....	34		Nov. 13, present; Nov. 30, epidemic.
Madeira:				
Funchal.....	June 20-25.....		2	
Do.....	July 18-Nov. 6.....	1	5	
Malta.....	May 1-June 30.....		3	
Do.....	Oct. 1-30.....	1		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from June 26 to Dec. 31, 1920—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Manchuria:				
Mukden.....	May 2-8.....			
Mesopotamia:				
Bagdad.....	July 1-31.....	1		
Mexico:				
Chihuahua.....	Nov. 8-Dec. 5.....	1	5	
Ciudad Juarez.....	Aug. 2-8.....	1		
Guadalajara.....	May 1-31.....	1		
Do.....	July 1-Oct. 31.....	4	1	
Laredo.....	July 30.....	2		
Mazatlan.....	May 19-25.....		1	
Salina Cruz.....	June 1-30.....	5	3	
Do.....	Aug. 1-31.....	1	1	
San Luis Potosi.....	May 21-June 6.....		1	
Do.....	June 24-Nov. 6.....		13	
Tampico.....	July 1-31.....		5	
Newfoundland:				
Broad Cove.....	Sept. 4-10.....	1		
Ladle Cove.....	Sept. 11-17.....	6		
St. Johns.....	June 5-11.....	3		
Shoal Harbor.....	July 10-16.....	7		Reported at 2 other localities. July 3-13: Present at 4 localities.
New Zealand:				
Dunedin.....	Aug. 10-Sept. 20.....	15		*
Persia:				
Teheran.....	June 6.....			Present.
Poland:				
Minsk District.....	Jan. 1-31.....	1,052	228	Jan. 1-31, 1920: Cases, 1,895; deaths, 301.
Porto Rico:				
Caguas.....	Aug. 9-15.....	1		
Portugal:				
Lisbon.....	May 18-June 28.....		8	
Do.....	June 27-Nov. 6.....		45	
Oporto.....	Oct. 31-Nov. 27.....	2		
Portuguese East Africa:				
Inhambane.....	Sept. 12-18.....		1	
Lourenco Marques.....	Sept. 12-Oct. 9.....	7		June 1-Aug. 31, 1920: Deaths, 1. Present in interior, Oct. 3-9, 1922.
Russia:				
Riga.....	Aug. 1-Oct. 31.....	5		
Vladivostok.....	Jan. 1-June 30.....	252	73	May, 1920: Cases, 5. June, 1920: Cases, 7.
Do.....	July 1-Sept. 30.....	3		
Sierra Leone:				
Baktau.....	Sept. 1-30.....	2		
Freetown.....	do.....	3		
Spain:				
Barcelona.....	May 19-June 12.....		4	
Do.....	June 18-Nov. 27.....		26	
Corunna.....	July 16-Nov. 20.....		3	
Gijon.....	Oct. 1-31.....	2		
Madrid.....				
Malaga.....				
Orense Province.....	Sept. 6.....			
Valencia.....	May 23-June 26.....	15	3	
Do.....	July 4-Nov. 27.....	20	3	
Vigo.....	May 31-June 26.....		4	
Do.....	July 18-Nov. 16.....		11	
Straits Settlements:				
Singapore.....	May 16-22.....	1		Received out of date.
Sweden:				
Goteborg.....	Nov. 14-20.....		6	
Stockholm.....	Sept. 19-Oct. 9.....	4		
Switzerland:				
Geneva.....	May 9-15.....	7		
Syria:				
Aleppo.....	Aug. 29-Nov. 13.....			In city and in Armenian or- phanage.
Tunis:				
Tunis.....	May 25-June 27.....	6	5	
Do.....	June 28-Nov. 28.....	48	28	
Turkey:				
Constantinople.....	May 16-June 19.....	7		
Do.....	June 20-Nov. 20.....	15		
Union of South Africa:				
East London.....	Sept. 19-Oct. 9.....	2		
Johannesburg.....	May 1-31.....	23		
Do.....	July 1-Aug. 31.....	19		

December 31, 1920.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from June 26 to Dec. 31, 1920—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
On vessels:				
S. S. Bradford.....	Nov. 4.....	1.....		At Vancouver. From Talara, Peru, via ports in Chile, Mexico, and Peru. Left Talara about 21 days previous to arrival at Vancouver.
S. S. Henry R. Mallory.....	Oct. 2.....	1.....		At Habana from Spanish port. Vessel left Vigo, Spain, Sept. 19.

TYPHUS FEVER.

Algeria:				
Departments—				
Algiers.....	May 11-Aug. 31.....	44.....		
Constantine.....	May 21-Aug. 31.....	20.....		
Oran.....	May 11-Aug. 31.....	352.....		
Austria.....	Feb. 13-June 26.....	65.....		
Belgium:				
Ghent.....	Sept. 11-Nov. 13.....	10.....	2.....	
Bermuda:				
Hamilton.....	Oct. 18-23.....	2.....		
Bolivia:				
La Paz.....	May 2-June 30.....	17.....		
Do.....	July 1-Sept. 30.....	7.....	21.....	
Brazil:				
Ceara.....	Apr. 25-June 12.....	4.....		
Do.....	July 11-21.....	2.....		
Bulgaria:				
Sofia.....	June 20-25.....	2.....		
Chile.....				
Antofagasta.....	July 5-11.....	.....	
Caleta Colos.....	May 10-16.....	2.....		
Concepcion.....	Mar. 8-June 28.....	31.....	39.....	
Do.....	June 29-Oct. 26.....	.....	24.....	Oct. 13: Cases, 34.
Coquimbo.....	Aug. 8-Oct. 7.....	1.....	1.....	
Santiago.....	Mar. 1-June 30.....	470.....	86.....	Sept. 10: Cases, 183.
Valparaiso.....	May 2-Oct. 23.....	.....	32.....	
China:				
Antung.....	July 12-Nov. 14.....	85.....	13.....	Report week ended July 31, 1920, not received.
Eastern Chinese Railway.....	Aug. 9-Sept. 28.....	5.....		At stations on line.
Harbin.....				On Eastern Chinese Railroad line. Year 1919: Cases, 301. At other stations on line, 789 cases.
Chosen (Korea):				
Chemulpo.....	June 1-30.....	3.....		
Seoul.....	Mar. 1-Apr. 30.....	4.....	1.....	Feb. 1-28, 1920: Cases, 88; deaths, 7.
Czechoslovakia.....				
Leipnik.....	Feb. 22-28.....	1.....		Quarantine station.
Danzig.....	June 20-25.....	1.....		Feb. 27-Mar. 27, 1920: Cases, 16.
Do.....	July 25-31.....	1.....		
Egypt:				
Alexandria.....	May 7-June 28.....	483.....	149.....	Feb. 22-Mar. 27, 1920: Cases, 23.
Do.....	June 29-Nov. 18.....	149.....	53.....	Among troops, 4; among persons from Poland, 8. Mar. 28-June 26, 1920: Cases, 96. July 18-Sept. 28, 1920: Cases, 14.
Cairo.....	Apr. 2-June 24.....	867.....	370.....	Additional cases, June 18-July 10, 1920, 16.
Do.....	July 9-Sept. 30.....	167.....	105.....	
Port Said.....	Apr. 9-June 24.....	112.....	53.....	
Do.....	Aug. 20-26.....	1.....		
Germany.....				
Great Britain:				
Belfast.....	Oct. 24-Nov. 6.....	4.....	2.....	
Dublin.....	May 23-June 19.....	3.....	1.....	
Do.....	Oct. 16-Nov. 27.....	38.....	3.....	

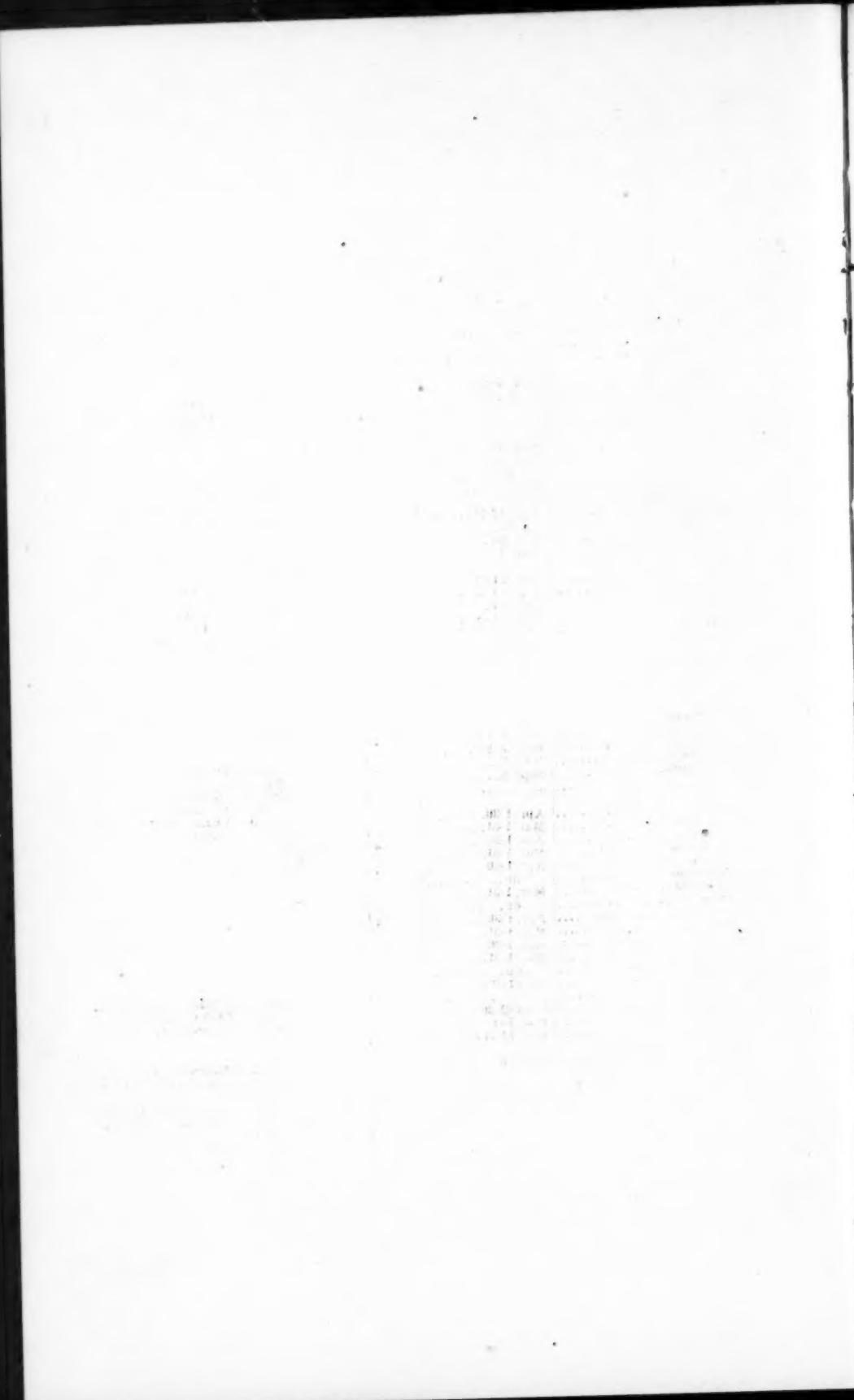
CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from June 26 to Dec. 31, 1920—Continued.****TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Great Britain—Continued.				
Dundee.....	July 4-10.....	1		
Glasgow.....	May 30-June 5.....		1	
Queenstown.....	Aug. 1-7.....	1		
Greece:				
Athens.....	June 27-July 21.....		5	
Drama.....	July 12-18.....	1		
Patra.....	June 29-July 4.....		1	
Pireus.....	June 29-July 5.....		1	
Saloniki.....	Apr. 12-27.....	384	42	
Do.....	June 28-Oct. 17.....	134	57	
Guatemala:				
Guatemala City.....	Aug. 9-15.....		1	
Hungary:				
Budapest.....	Jan. 10-June 20.....	28		Jan. 19-May 30, 1920: Cases, 54.
Italy:				
Catania.....	July 10-17.....	3		
Trieste.....	May 16-22.....	5		
Do.....	June 13-Nov. 20.....	314	23	
Japan:				
Kobe.....	Aug. 17-23.....	7		
Nagasaki.....	May 25-June 27.....	2	1	
Do.....	Sept. 13-Nov. 14.....	12	4	
Jugo-Slavia.....				Feb. 1-June 23, 1920: Cases, 691; deaths, 92. June 27-July 24, 1920: Cases, 296.
Java:				
East Java—				
Surabaya.....	June 10-16.....	1		
West Java—				
Batavia.....	May 28-June 30.....	5	1	
Mesopotamia:				
Baghdad.....	Aug. 1-31.....	1		
Mexico:				
Chihuahua.....	May 31-June 6.....		1	
Los Mochis.....	Nov. 28-Dec. 4.....	2		
Nogales.....	Aug. 9-14.....	2		
San Luis Potosi.....	June 8-July 8.....			
Do.....	July 2-Nov. 27.....	2	2	
Poland.....				
Warsaw.....				
Serbia.....				
Portugal:				
Oporto.....	Apr. 4-June 24.....	15	6	
Do.....	Aug. 1-Nov. 27.....	15	3	
Russia:				
Riga.....	June 25-Oct. 23.....	125		
Simferopol.....	Sept. 28.....	35		Jan.-June, 1920: Cases, 3,955; deaths, 503.
Vilna.....	May 1-21.....	22	2	Jan. 1-Apr. 30, 1920: Cases, 1,264; deaths, 117.
Vladivostok.....	July 1-Aug. 31.....	36	4	Mar. 14-Apr. 10, 1920: Cases, 181; deaths, 23.
Spain:				
Barcelona.....	July 9-15.....	1		
Madrid.....	June 1-30.....		1	
Switzerland:				
Geneva.....	June 28-July 4.....	1		
Tunis:				
Tunis.....	May 24-June 27.....	36	18	
Do.....	July 6-Aug. 31.....	1	1	
Turkey:				
Constantinople.....	May 16-June 12.....	27		
Do.....	June 19-Nov. 13.....	36	1	
Union of South Africa:				
Port Elizabeth.....	Sept. 27-Oct. 2.....	1		
Venezuela:				
Maracaibo.....	July 21-27.....		1	
On vessel:				
S. S. United States.....	Nov. 18.....	1		At Copenhagen, Denmark. Case found on clearance. Removed with contacts at Christiania, Norway. Vessel sailed Nov. 19 for New York.

December 31, 1920.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.
Reports Received from June 26 to Dec. 31, 1920—Continued.
YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia.....	May 23-June 19.....	1.....	.....
Colombia:				
Buenaventura.....	June 3.....	1.....	1.....	
Guatemala:				
Los Amates.....	Aug. 5-Sept. 1.....	10.....	3.....	Oct. 25, 1920: Present. Aug. 17: Present at several localities.
Quirigua.....	Aug. 9-15.....	.....	.....	Present.
Virginia.....	Sept. 10.....	1.....	.....	Station on railway from Puerto Barrios to Guatemala City, 4 miles from Puerto Barrios.
Mexico:				
Culiacan.....	Oct. 16.....	.....	.....	Present.
Empalme.....	Oct. 12.....	1.....	1.....	
Guaymas.....	do.....	.....	1.....	Previously reported, 2 deaths later information shows 1 death
Mazatlan.....	Oct. 13.....	1.....	1.....	Nov. 1-30, 1920: Deaths, 1.
Orizaba.....	Nov. 17-23.....	1.....	.....	State of Vera Cruz.
Pavantla.....	do.....	3.....	2.....	Do.
Progreso.....	July 30.....	1.....	.....
Do.....	Aug. 4-18.....	4.....	2.....	July 30-Aug. 18, 1920: Cases, 5; deaths, 3.
Puerto Mexico.....	Aug. 24-27.....	1.....	1.....	Cascarrived Aug. 23, on S. S. Melchor Ocampo from Progreso.
San Blas.....	Sept. 13.....	1.....	.....	Previously reported P. H. R., Sept. 10, 1920.
Tampico.....	Sept. 17.....	1.....	.....	Aug. 23-Oct. 27, 1920: Cases, 112 deaths, 39. Nov. 17-23, 1920: Cases, 18; deaths, 18.
Do.....	Sept. 21-Nov. 4.....	3.....	2.....	
Tuxpan.....	Sept. 1.....	3.....	2.....	
Vera Cruz.....	June 22.....	.....	2.....	
Do.....	July 19-Dec. 12.....	110.....	86.....	
Yucatan State—Campeche.....	Oct. 13.....	1.....	1.....	In sailor from S. S. Yumuri The vessel left Vera Cruz Oct. 1 for Campeche and New Orleans In interior. Do.
Hocabá.....	Sept. 8.....	8.....	.....
Hunucma.....	Sept. 8-Oct. 11.....	2.....	1.....	From Hunucma.
Izmal.....	Oct. 10-16.....	.....	1.....	In interior.
Merida.....	Nov. 5.....	1.....	.....	Mar. 1-31, 1920: Cases, 228. Apr. 1-20, 1920: Cases, 64.
Sotuta.....	Sept. 8.....	1.....	1.....	At quarantine station. From S. S. Huatulco.
Peru.....				
Callao.....	Apr. 1-30.....	1.....	.....
Catacaos.....	Mar. 1-31.....	14.....	.....
Do.....	Apr. 1-30.....	2.....	.....
La Huaca.....	Mar. 1-31.....	9.....	.....
Do.....	Apr. 1-30.....	5.....	.....
Morropón.....	do.....	37.....	.....
Mimuelta.....	Mar. 1-31.....	12.....	.....
Paita.....	do.....	81.....	.....
Do.....	Apr. 1-30.....	14.....	.....
Piura.....	Mar. 1-31.....	1.....	.....
Do.....	Apr. 1-30.....	4.....	.....
Salitral.....	Mar. 1-31.....	2.....	.....
Sullana.....	do.....	9.....	.....
Do.....	Apr. 1-30.....	1.....	.....
Salvador.....				Sept. 12-19, 1920: 1 case, Aug. 22-Oct. 11, 1920: Cases, 3; deaths, 1. Fatal cases were in Europeans.
Armenia.....	June 20-26.....	1.....	1.....	
San Salvador.....	Aug. 1-21.....	6.....	2.....	
Sonsonate.....	May 22-June 24.....	49.....	17.....	
On vessels:				
S. S. Curacao.....	Nov. 16.....	1.....	1.....	At San Francisco, Calif. From Mexican ports, 6 days out from Mazatlan.
S. S. Haraldshaug.....	Sept. 28.....	1.....	.....	At Pensacola, Fla. From Puerto Barrios, Tampico, and Vera Cruz.
S. S. Soestdijk.....	Sept. 11.....	1.....	1.....	At Quarantine, La.
S. S. Yumuri.....	Oct. 13.....	1.....	1.....	At Campeche. Vessel left Vera Cruz Oct. 1, 1920.



INDEX.

A

	Page.
Abstracts—Public health engineering.....	2631, 2718, 2789, 2861, 2916, 2971, 3040, 3080
Acid burns—On hands of soldiers—Experience at Curtis Bay General Ord-	
nance Depot—Baltimore, Md.—Keatley.....	2161
Actinomycosis:	
Illinois.....	1807, 2106, 2348, 2638, 3049
Massachusetts.....	1982, 2474
Montana.....	1613
New Mexico.....	2796
Africa—Nigeria—Shaving brushes—Importation from Japan prohibited.....	2661
Air—Experiments in control of dustiness—Spencer.....	2907
Alabama:	
(<i>See also</i> Summary of disease cases reported monthly by States.)	
Cerebrospinal meningitis.....	2577
Court decision—State board of health held to be a legal body.....	2467
Current State morbidity summaries.....	1719,
1765, 1803, 1863, 1930, 1979, 2061, 2103, 2167, 2212, 2276, 2344,	
2410, 2470, 2516, 2572, 2635, 2792, 2865, 2922, 2975, 3045, 3109	
Dengue.....	2928, 3179
Coffee County.....	2349
Malaria.....	1724, 1984, 2351, 2579, 2581
Pellagra.....	1725, 1985, 2355
Poliomyelitis.....	1987, 2583
Smallpox.....	1729, 1989, 2362, 2587
Typhoid fever.....	1732, 1991, 2367, 2589
Alastrim—Jamaica.....	2132, 2298, 2491, 2603, 2661, 2814, 2943, 2994, 3128, 3193
All-America conference on venereal diseases—Washington, D. C.—Dec. 6-11,	
1920.....	2202
Ambulatory treatment of drug addicts—Considered violation of antinarcotic	
law by Pennsylvania State board of health.....	2914
American Public Health Association—Annual meeting—San Francisco—Sept.	
13-17, 1920.....	1800
Anthrax:	
Burma—April, 1920.....	1783
California.....	1613
Los Angeles.....	2519
Merced.....	2279
San Francisco.....	2577
City reports for week ended—	
June 12, 1920.....	1613
June 19, 1920.....	1676
July 3, 1920.....	1768
July 24, 1920.....	1934
Aug. 7, 1920.....	2065
Aug. 14, 1920.....	2106
Aug. 21, 1920.....	2170
Aug. 28, 1920.....	2215
Sept. 4, 1920.....	2279
Sept. 11, 1920.....	2348
Sept. 18, 1920.....	2414
Oct. 2, 1920.....	2519
Oct. 9, 1920.....	2577
Oct. 16, 1920.....	2638
Oct. 23, 1920.....	2726
Oct. 30, 1920.....	2796
Nov. 6, 1920.....	2869
Nov. 20, 1920.....	2979
Dec. 4, 1920.....	3113
Dec. 11, 1920.....	3178

	Page.
Anthrax—Continued.	
Connecticut.....	2474
New Britain.....	2215
England—Bradford.....	2750
Georgia—	
Rome.....	2577
Savannah.....	3113
Great Britain—England—Bradford.....	2750
Idaho—	
Boise.....	2869
Lane.....	2726
Illinois.....	1613, 2348
India—Madras Presidency.....	1836
Louisiana.....	2065, 2348, 2577
Maine.....	2796, 2979
Maryland—Baltimore.....	1768
Massachusetts.....	2474, 2796
Lowell.....	2726, 2979
Minnesota.....	1613, 2348
Goodhue County.....	1807
Mississippi.....	2106 2348
Montana.....	2414
Butte.....	2279
Nebraska—Omaha.....	3113
New Hampshire—Manchester.....	2519
New Jersey.....	2065
Bloomfield.....	2979
New Brunswick.....	1934
New York.....	2065, 2106, 2348, 2577
Binghamton.....	3178
New York.....	2215, 2414, 3113
New Zealand—Measures against importation of.....	1836
Pennsylvania.....	1613, 2279, 2979
Philadelphia.....	1934, 2519, 2638
Rhodesia—Importation of shaving and tooth brushes from Japan prohibited.....	1743
South Dakota.....	1613
Union of South Africa.....	1836
Washington.....	2927
West Virginia.....	1722, 3113
Antimalarial work:	
Possibilities of using mosquito traps—Metz.....	1974
Results of, on the Island of Cyprus.....	2165
Antiplague vaccines and serums—Utility of—McCoy.....	1647
Antivaccination—Defeat of, and antivivisection measures on the Pacific coast.....	3040
Antivivisection—Defeat of, and antivaccination measures on the Pacific coast.....	3040
Arizona:	
(See also Summary of disease cases reported monthly by States.)	
Cerebrospinal meningitis.....	1722
Malta fever.....	1725
Poliomyelitis.....	1728
Smallpox.....	1729, 1989, 2526
Vaccination history.....	2286
Typhoid fever.....	1733, 1992, 2289, 2528
Arkansas:	
(See also Summary of disease cases reported monthly by States.)	
Cerebrospinal meningitis.....	1676, 1807, 2170, 2577
Current State morbidity summaries.....	1609,
1672, 1719, 1765, 1803, 1863, 1930, 1979, 2061, 2103, 2167, 2212, 2276, 2344,	
2410, 2470, 2516, 2572, 2635, 2722, 2792, 2865, 2922, 2975, 3045, 3109, 3174	
Hot Springs—Leprosy.....	1677
Influenza.....	1676, 1808, 2171, 2350
Malaria.....	1677, 1809, 2172, 2351, 2579, 2581
Pellagra.....	1678, 1811, 2173, 2351, 2355
Poliomyelitis.....	1680, 1813, 2583
Smallpox.....	1684, 1820, 2178, 2362, 2587
Typhoid fever.....	1687, 1825, 2180, 2367, 2589

	Page.
Arsphenamine—The effect of shaking alkalized aqueous solutions in the presence of air—Roth.....	2203
Australia:	
Fremantle—Typhus fever—On steamship Osterley on arrival at.....	3193
Hookworm—Campaign against infection.....	2601
Melbourne—Influenza—1919.....	2883
Queensland—Cerebrospinal meningitis—On vessel Roberto Figueras on arrival at.....	2537
Sydney—Influenza.....	2132
Azores Islands:	
Plague—Human.....	2491, 2661
Ponta Delegada—Plague—Rats infected found.....	2661

B.

Bats and mosquitoes—Howard.....	1789
Bedbugs: Relation to public health, habits and life history, and method of control.....	2964
Beriberi—California—May, 1920.....	1613
Beverages: “Fake” orange—Investigations and prosecutions by Bureau of Chemistry.....	2205
Birth statistics and infant mortality—United States registration area—1919.....	2465
Botulism: California—Oakland	2557
Outbreak at St. Anthony's hospital—Geiger.....	2858
Bowman, J. L.—The medical profession and notifiable diseases.....	2503
Boyd, Mark F.—An epidemiological study of an endemic focus of leprosy.....	3007
Brazil—Bahia—Death rates compared—Years 1917, 1918, 1919.....	2297
British Columbia—Vancouver—Smallpox—On steamship Bradford, on arrival.....	2883
British East Africa—Mombasa—Plague.....	2297
Brundage, Dean K.:	
Diseases prevalent among steel workers in a Pennsylvania city.....	3163
Sickness and absenteeism during 1919 in a large industrial establishment.....	2143
Bubonic plague—France—Paris.....	2132
Burma—Anthrax—April, 1920.....	1783
Butler, Harry B.—Children's teeth, a community responsibility.....	2763

C.

California:	
(See also Summary of disease cases reported monthly by States.)	
Anthrax	1613
Beriberi—May, 1920.....	1613
Biological investigation of rice fields relative to mosquito breeding—Purdy.....	2556
Cerebrospinal meningitis.....	1614, 1866, 2106, 2280
Court decisions—	
Award under compensation act for disease contracted in caring for other employees.....	3172
Right to detain and quarantine persons infected with venereal disease upheld.....	2863
Current State morbidity summaries.....	1609,
1672, 1719, 1765, 1803, 1863, 1930, 1978, 2061, 2167, 2212, 2276, 2344, 2410, 2572, 2722, 2792, 2865, 2922, 2975, 3045, 3109, 3174	
Defeat of antivaccination and antivivisection measures.....	3040
Influenza.....	1615, 1867, 2281
Leprosy.....	2108
Lethargic encephalitis.....	1616, 1868, 2108, 2281, 2980
Los Angeles—	
Anthrax	2519
Leprosy.....	1769, 1868, 2067, 2108, 2171, 2217
Malaria.....	1616, 1868, 2108, 2281
Merced—Anthrax.....	2279
Oakland—Botulism—	
Outbreak at St. Anthony's hospital—Geiger.....	2858
Ontario—San Bernardino County—Leprosy.....	1868
Pellagra.....	1618, 1870, 2110, 2282
Plague.....	1619, 1679, 1726
Poliomyleitis.....	1621, 1872, 2113, 2284

	Page.
California—Continued.	
Salinas—Leprosy.....	2108
San Francisco—	
Anthrax.....	2577
Leprosy.....	2108
Lethargic encephalitis.....	2476
Trichinosis.....	2985
Yellow fever—Immigration hospital.....	2935
Smallpox—Vaccination history.....	1622, 1874, 2115, 2286
Stockton—Rabies.....	2984
Typhoid fever.....	1632, 1878, 2121, 2289
Campaigns—Traveling publicity—In health work.....	2570
Canada:	
New Brunswick—Bathurst—Typhoid fever.....	1835
Winnipeg—Poliomyelitis.....	2813
Canary Islands—Las Palmas—Plague—Infected rodent found.....	2884
Census Bureau:	
Birth statistics and infant mortality—United States registration area—1919.....	2465
Summary of mortality statistics in United States registration area for 1919.....	2786
Cerebrospinal meningitis:	
(See also Meningitis; Summary of disease cases reported monthly by States.)	
Alabama.....	2577
Arizona.....	1722
Arkansas.....	1676, 1807, 2170, 2577
California.....	1614, 1866, 2106, 2280
China—Hongkong.....	1835
City reports for week ended—	
June 12, 1920.....	1615
June 19, 1920.....	1676
June 26, 1920.....	1723
July 3, 1920.....	1769
July 10, 1920.....	1808
July 17, 1920.....	1867
July 24, 1920.....	1934
July 31, 1920.....	1983
Aug. 7, 1920.....	2066
Aug. 14, 1920.....	2107
Aug. 21, 1920.....	2171
Aug. 28, 1920.....	2216
Sept. 4, 1920.....	2280
Sept. 11, 1920.....	2349
Sept. 18, 1920.....	2414
Sept. 25, 1920.....	2475
Oct. 2, 1920.....	2520
Oct. 9, 1920.....	2578
Oct. 16, 1920.....	2639
Oct. 23, 1920.....	2727
Oct. 30, 1920.....	2796
Nov. 6, 1920.....	2869
Nov. 13, 1920.....	2927
Nov. 20, 1920.....	2979
Nov. 27, 1920.....	3049
Dec. 4, 1920.....	3113
Dec. 11, 1920.....	3178
Colorado—Pueblo.....	2796
Connecticut.....	1614, 1866, 2170, 2474, 2726
Florida.....	1722, 2066, 2216, 2519
Honduras—Tegucigalpa.....	1642
Idaho.....	2348
Illinois.....	1614, 1807, 2106, 2348, 2638
Indiana.....	1614, 1807, 2414
Iowa.....	1614, 1866, 2216, 2726
Kansas.....	1676, 1807, 2106, 2414, 2726
Louisiana.....	1807, 2066, 2348, 2577
Maine.....	2638
Maryland.....	1807, 1982, 2348
Massachusetts.....	1722, 1982, 2280, 2474

Cerebrospinal meningitis—Continued.	Page.
Minnesota.....	1614, 1807, 2066, 2348, 2577
Mississippi.....	1614, 1866, 2106, 2638
Montana.....	1614, 1807, 2170, 2414
Nebraska.....	1768, 1982, 2280, 2519
New Jersey.....	1614, 1866, 2066, 2414, 2577
New Mexico.....	2107
New York.....	2066, 2348, 2577
North Carolina.....	1614, 1807, 1982, 2348, 2638
North Dakota.....	2638
Ohio.....	1723, 1934, 2348, 2726
On vessel—Steamship Roberto Figueras—Australian ports.....	2537
Oregon.....	2216, 2638
Pennsylvania.....	1614, 2066, 2280, 2348
Rhode Island.....	1614, 2066, 2349, 2577
South Carolina.....	1807, 2349, 2638
South Dakota.....	1614, 1866, 2106
Texas.....	1934
Vermont.....	2106
Virginia.....	1723, 1866, 2170, 2349, 2726
Washington.....	1614, 1807, 2349, 2638
West Virginia.....	1723, 2066, 2280, 2519
Wisconsin.....	1768, 2106, 2280, 2519
Chaulmoogra oil—Use of, in the treatment of leprosy—McDonald and Dean	1959
Chemicals:	
Prompt shipment of those used in water supplies assured	2059
Shipment of, for disinfecting water supplies—Telegram sent by Surgeon General to State health officers.....	1761
Chemotherapy—Quantitative studies in—Voegtlin, Smith, Crane, Wright, Connell.....	2264
Chicken pox—Jamaica.....	2298, 2491
Child hygiene—Missouri—Establishment and control of health centers.....	1795
Progress report on field investigations to June 30, 1920—Knight.....	3141
Children—Sleep requirements of.....	2463
Chile:	
Concepcion—Typhus fever.....	2942
Typhus fever—	
January—February, 1920.....	1835
March—May, 1920.....	2188
June, 1920.....	2382
China:	
Cholera—Year 1919.....	2382
Chungking—Cholera.....	1695
Hankow—Relapsing fever.....	1642
Hongkong—	
Cerebrospinal meningitis.....	1835
Influenza.....	2601, 2813
Plague—Extermination of rats.....	1835, 2002, 2537
Shanghai—Cholera—	
On U. S. steamship Keketticut.....	2297
September, 1920.....	2749
Smallpox—Year 1919.....	2382
Typhus fever—Year 1919.....	2382
Cholera:	
China—	
Chungking.....	1695
Shanghai—September, 1920.....	2749
Year 1919.....	2382
Chosen (Korea)—Seoul declared infected.....	2188
Foreign reports—	
Cumulative table.....	1698, 1745,
1785, 1839, 1890, 1953, 2005, 2091, 2136, 2190, 2233, 2300, 2385, 2435,	
2493, 2539, 2606, 2663, 2752, 2818, 2886, 2945, 2997, 3065, 3131, 3195	
Weekly table.....	1644, 1696, 1744,
1783, 1837, 1888, 1952, 2003, 2088, 2134, 2189, 2231, 2298, 2383, 2433,	
2492, 2538, 2604, 2662, 2750, 2816, 2885, 2943, 2995, 3064, 3128, 3194	
Galicia—Buczacz.....	2749
Indo-China.....	2602, 2813, 2942

	Page.
Cholera—Continued.	
Japan—Taiwan (Formosa).....	2750
On vessel—U. S. steamship Keketticut—China—Shanghai.....	2297
Poland—	
Sanitary measures against spread.....	3128
Warsaw.....	2661
Russia—	
Grodno.....	2750
Simferopol.....	2432
Vilna—Province of Lithuania.....	2432, 2750
Chosen (Korea)—Cholera—Seoul declared infected.....	2188
Clark, Taliaferro—Children's teeth, a community responsibility.....	2763
Codes—Standard sanitary—Railways.....	1749
Colombia—Buenaventura—Yellow fever.....	1742
Colorado:	
(See also Summary of disease cases reported monthly by States.)	
Lincoln County—Leprosy.....	2797
Malaria.....	1677
Poliomyelitis.....	1987, 2479, 2801
Pueblo—Cerebrospinal meningitis.....	2796
Smallpox—Vaccination history.....	1681, 2480, 2802
Typhoid fever.....	1687, 1992, 2482, 2804
Commissions—Report of national commission on milk standards of New York milk committee, 1920.....	2955
Communicable diseases:	
(See also Notifiable diseases; Infectious diseases.)	
Court decision—Nebraska—Physicians permitted to disclose existence of, to protect others.....	1928
Cuba—Habana.....	1642,
1742, 1782, 1888, 2002, 2088, 2188, 2297, 2601, 2749, 2884, 2942, 3063	
Virgin Islands.....	1695, 1951, 2134, 2433, 2816, 2943
Compensation act—Award under, for diseases contracted in caring for other employees—California—Court decision.....	3172
Conferences:	
All-American, on venereal diseases—Washington, D. C.—Dec. 6-11, 1920.	2202
On plague situation—Galveston and Beaumont, Tex.—Aug. 3-4, 1920	2097
Connecticut:	
(See also Summary of disease cases reported monthly by States.)	
Anthrax.....	2474
Cerebrospinal meningitis.....	1614, 1866, 2170, 2474, 2726
Current State morbidity summaries.....	1803, 2061, 2276,
2344, 2410, 2470, 2516, 2572, 2722, 2792, 2865, 2922, 2975, 3109, 3174	
Leprosy.....	2171
Lethargic encephalitis.....	1616, 1868, 2476, 2728, 2798, 3114
Malaria.....	1616, 1868, 2172, 2476, 2728
New Britain—Anthrax.....	2215
Poliomyelitis.....	1872, 2176, 2479, 2733
Reciprocal notification of disease cases.....	1675, 1933, 2215, 2474, 2726
Typhoid fever.....	1632, 1878, 2180, 2482, 2737
Connell, Mabel A.—Quantitative studies in chemotherapy.....	2264
Contagious diseases. (See Communicable diseases; Infectious diseases.)	
Court decisions:	
Alabama—State board of health held to be a legal body.....	2467
California—	
Award under compensation act for disease contracted in caring for other employees.....	3172
Right to detain and quarantine persons infected with venereal disease upheld.....	2863
Maine—Danger from flies.....	1763
Nebraska—Physicians permitted to disclose existence of communicable diseases to protect others.....	1928
North Carolina—Ordinance requiring milk dealers to be licensed upheld..	1801
United States Supreme Court construes section 2 of Harrison antinarcotic act.....	3077
Wisconsin—	
Eugenic marriage law has no extraterritorial effect	1801
Milk pasteurization ordinance upheld.....	1801
Nuisance abatement law held constitutional.....	1800

	Page.
Cowpox—Jamaica.....	2132, 2298, 2491, 2603, 2661, 2814, 2943, 2994, 3128, 3193
Crane, Marion M.—Quantitative studies in chemotherapy.....	2264
Crohurst, H. R.—Sanitary disposal of sewage through a septic tank.....	2959
Cuba:	
Habana—	
Communicable diseases.....	1642,
1742, 1782, 1888, 2002, 2088, 2188, 2297, 2601, 2749, 2884, 2942, 3063	1742
Precautions against importation of plague.....	1642
Measures to prevent importation of plague ordered against Pensacola, Fla. and Tampico, Mexico.....	1835
Quarantine against—	
Arrivals from Galveston, Tex.....	1835
Arrivals from Mexico on account of plague modified.....	3128
Puerto Mexico, Mexico—Yellow fever.....	2382
Current State summaries:	
Alabama. (<i>See Alabama—Current State morbidity summaries.</i>)	
Arkansas. (<i>See Arkansas—Current State morbidity summaries.</i>)	
California. (<i>See California—Current State morbidity summaries.</i>)	
Connecticut. (<i>See Connecticut—Current State morbidity summaries.</i>)	
Delaware. (<i>See Delaware—Current State morbidity summaries.</i>)	
Florida. (<i>See Florida—Current State morbidity summaries.</i>)	
Georgia. (<i>See Georgia—Current State morbidity summaries.</i>)	
Illinois. (<i>See Illinois—Current State morbidity summaries.</i>)	
Indiana. (<i>See Indiana—Current State morbidity summaries.</i>)	
Iowa. (<i>See Iowa—Current State morbidity summaries.</i>)	
Kansas. (<i>See Kansas—Current State morbidity summaries.</i>)	
Louisiana. (<i>See Louisiana—Current State morbidity summaries.</i>)	
Maine. (<i>See Maine—Current State morbidity summaries.</i>)	
Maryland. (<i>See Maryland—Current State morbidity summaries.</i>)	
Massachusetts. (<i>See Massachusetts—Current State morbidity summaries.</i>)	
Minnesota. (<i>See Minnesota—Current State morbidity summaries.</i>)	
Mississippi. (<i>See Mississippi—Current State morbidity summaries.</i>)	
Montana. (<i>See Montana—Current State morbidity summaries.</i>)	
Nebraska. (<i>See Nebraska—Current State morbidity summaries.</i>)	
New Jersey. (<i>See New Jersey—Current State morbidity summaries.</i>)	
New Mexico. (<i>See New Mexico—Current State morbidity summaries.</i>)	
New York. (<i>See New York—Current State morbidity summaries.</i>)	
North Carolina. (<i>See North Carolina—Current State morbidity summaries.</i>)	
Ohio. (<i>See Ohio—Current State morbidity summaries.</i>)	
South Dakota. (<i>See South Dakota—Current State morbidity summaries.</i>)	
Texas. (<i>See Texas—Current State morbidity summaries.</i>)	
Vermont. (<i>See Vermont—Current State morbidity summaries.</i>)	
Virginia. (<i>See Virginia—Current State morbidity summaries.</i>)	
Washington. (<i>See Washington—Current State morbidity summaries.</i>)	
West Virginia. (<i>See West Virginia—Current State morbidity summaries.</i>)	
Wisconsin. (<i>See Wisconsin—Current State morbidity summaries.</i>)	
Cyanide gas—Adsorption of, by foodstuffs.....	1597
Cyprus:	
Influenza—Summary, 1919.....	2189
Results of antimalarial measures.....	2165
Trachoma—Year 1919.....	2189

D.

Danzig:	
Delousing, disinfection—Polish-American troops of Haller's army.....	2132
Troy station—Delousing arrivals.....	1695
Dean, A. L.—Treatment of leprosy.....	1959
Deaths:	
From communicable diseases—Brazil—Bahia—1917, 1918, 1919.....	2297
In large cities—Week ended—	
June 19, 1920.....	1608
June 26, 1920.....	1670
July 3, 1920.....	1718
July 10, 1920.....	1764
July 17, 1920.....	1802
July 24, 1920.....	1862

Deaths—Continued.	
In large cities—Week ended—	
July 31, 1920.....	1929
Aug. 7, 1920.....	1978
Aug. 14, 1920.....	2060
Aug. 21, 1920.....	2102
Aug. 28, 1920.....	2166
Sept. 4, 1920.....	2211
Sept. 11, 18, 1920.....	2342
Sept. 25, 1920.....	2409
Oct. 2, 1920.....	2469
Oct. 9, 1920.....	2515
Oct. 16, 1920.....	2571
Oct. 23, 1920.....	2634
Oct. 30, 1920.....	2720
Nov. 6, 1920.....	2791
Nov. 13, 1920.....	2863
Nov. 20, 1920.....	2921
Nov. 27, 1920.....	2974
Dec. 4, 1920.....	3043
Dec. 11, 1920.....	3108
Dec. 18, 1920.....	3173
Principal causes—	
Compared—Records of Metropolitan Life Insurance Co.....	2056
Reprint from statistical bulletin of Metropolitan Life Insurance Co. 1762, 1861, 2275, 2466, 2717	
United States registration area—Summarized by Census Bureau.....	2786
Among insured wage earners—Comparison of rates by color.....	2918
Defeat of antivaccination and antivivisection measures on the Pacific coast.....	3040
Delaware:	
(See also Summary of disease cases reported monthly by States.)	
Current State morbidity summaries.. 1609, 1672, 1719, 1863, 1979, 2103, 2167, 2212, 2276, 2344, 2410, 2470, 2572, 2722, 2792, 2865, 2922, 2975, 3045, 3109, 3174	
Malaria.....	2108, 2728
Poliomyelitis.....	2113
Smallpox.....	2735
Typhoid fever.....	2121, 2737
Delinquents—Psychiatric studies of—	
Part IV. Some constitutional factors in prostitution—Treadway.....	1575
Part V. Conclusions and recommendations—Treadway, Weldon, and Hill..	1593
Delousing—Danzig—Arrivals at Troy station.....	1695
Dengue:	
Alabama.....	2928, 3179
Coffee County.....	2349
Florida—Key West.....	2349
Georgia—Savannah.....	2520, 2639, 2727, 2796, 2869, 2928, 2979, 3049
Dentists—Interest of, in venereal disease control.....	1798
Diphtheria:	
(See also Summary of disease cases reported monthly by States.)	
City reports for week ended—	
June 12, 1920.....	1635
June 19, 1920.....	1688
June 26, 1920.....	1736
July 3, 1920.....	1776
July 10, 1920.....	1829
July 17, 1920.....	1882
July 24, 1920.....	1944
July 31, 1920.....	1995
Aug. 7, 1920.....	2082
Aug. 14, 1920.....	2126
Aug. 21, 1920.....	2183
Aug. 28, 1920.....	2224
Sept. 4, 1920.....	2292
Sept. 11, 1920.....	2376
Sept. 18, 1920.....	2425
Sept. 25, 1920.....	2485
Oct. 2, 1920.....	2530

Diphtheria—Continued.	Page.
City reports for week ended—	
Oct. 9, 1920.....	2595
Oct. 16, 1920.....	2655
Oct. 23, 1920.....	2742
Oct. 30, 1920.....	2806
Nov. 6, 1920.....	2877
Nov. 13, 1920.....	2935
Nov. 20, 1920.....	2987
Nov. 27, 1920.....	3056
Dec. 4, 1920.....	3121
Dec. 11, 1920.....	3186
Texas—Marfa—July 29 and Aug. 2, 1920.....	1867
Directory:	
City health officers—1920—In cities of 10,000 or more population.....	1598
State and insular health authorities, 1920.....	1843
Disease prevalence:	
Among steel workers in a Pennsylvania city—Brundage.....	3163
Method of classifying families according to income in studies of—Sydenstricker and King.....	2829
District of Columbia:	
(See also Summary of disease cases reported monthly by States.)	
Lethargic encephalitis.....	2870
Morbidity report for week ended—	
Nov. 20, 1920.....	2925
Nov. 27, 1920.....	2978
Dec. 4, 1920.....	3048
Dec. 11, 1920.....	3112
Dec. 18, 1920.....	3177
Pellagra.....	2282
Smallpox—Vaccination history.....	1989
Typhoid fever.....	1992, 2289
Drugs, narcotic:	
Ambulatory treatment of addicts—Considered violation of antinarcotic law by Pennsylvania State department of health.....	2914
United States Supreme Court construes section 2 of Harrison antinarcotic act.....	3077
Dust:	
Experiments in control of, in air—Spencer.....	2907
Hazard in wet and dry grinding shops of an ax factory—Winslow and Greenburg.....	2393
Dysentery:	
Epidemic—Russia—Latvia.....	2231
Russia—Vilna—Province of Lithuania.....	2432

E.

Employees, industrial:	
(See also Industrial establishments.)	
Award under compensation act for disease contracted in caring for other employees—California—Court decision.....	3172
Diseases prevalent among steel workers in a Pennsylvania city—Brundage.....	3163
Sickness and absenteeism among, in industrial establishments during 1919—	
Brundage.....	2143
Sickness frequency among—Prevalence during first half of year 1920.....	2897
England—Bradford—Anthrax.....	2750
Epidemiological study of an endemic focus of leprosy—Boyd and Fox.....	3007
Experiments—In control of air dustiness—Spencer.....	2907

F.

Factories:	
(See also Industrial establishments.)	
Ax—Dust hazard in the wet and dry grinding shops of—Winslow and Greenburg.....	2393
Far Eastern Association of Tropical Medicines—Convention at Batavia, Java—	
August, 1921.....	2402
Fatigue and protein catabolism—Some phases of—Scott and Hastings.....	2445

	Page.
Feezer, L. W.—Comparative study of State regulations for control of influenza..	2155
Finland—Influenza.....	1836, 2537, 2884
Flies—Danger from—Maine—Court decision.....	1763
Florida:	
(See also Summary of disease cases reported monthly by States.)	
Cerebrospinal meningitis.....	1722, 2066, 2519
Current State morbidity summaries.....	1609, 1672, 1719, 1765, 1803, 1863, 1930, 1979, 2061, 2103, 2167, 2213, 2410, 2470, 2516, 2572, 2635, 2722, 2792, 2865, 2923, 2975, 3045, 3110, 3174
Influenza.....	2067
Key West—	
Dengue.....	2349
Leprosy.....	2797, 3050
Lethargic encephalitis.....	2067, 2217, 2798
Malaria.....	1724, 2068, 2217, 2520
Pellagra.....	1725, 2069, 2218, 2522
Pensacola—	
Plague.....	1726
Plague (human).....	1618, 1726
Quarantine against, by Cuba.....	1782
Yellow fever—On vessel—Haraldshaug.....	2376, 2382
Poliomyelitis.....	1728, 2072
Smallpox—	
Vaccination history.....	1729, 2526 2073
Trichinosis.....	2222
Typhoid fever.....	1733, 2077, 2223, 2528
Typhus fever.....	2806
Foodstuffs—Absorption of cyanide gas by.....	1597
Fox, Warren F.—An epidemiological study of an endemic focus of leprosy.....	3007
France—Paris—Bubonic plague.....	2132

G.

Galicia—Buczacz—Cholera.....	2749
Gastroenteritis—Outbreak of, and typhoid fever caused by pollution of public water supply—New York—Schenectady—Horton.....	2549
Geiger, J. C.—Outbreak of botulism at St. Anthony's Hospital, Oakland, Calif., in October, 1920.....	2858
Georgia:	
Current State morbidity summaries.....	1609, 1672, 1719, 1765, 1803, 1863, 1930, 1979, 2061, 2103, 2167, 2212, 2276, 2344, 2411, 2470, 2516, 2573, 2634, 2723, 2792, 2866, 2923, 2976, 3045, 3111, 3174
Rome—	
Anthrax.....	2577
Rabies in animals.....	3118
Savannah—	
Anthrax.....	3113
Dengue.....	2520, 2639, 2727, 2796, 2869, 2928, 2979, 3049
Gibraltar—Influenza—Made notifiable—Reported prevalence.....	1742
Goldberger, Joseph:	
Pellagra incidence in relation to sex, age, season, occupation, and "disabling sickness" in seven cotton-mill villages of South Carolina during 1916.....	1650
Relation of factors of a sanitary character to pellagra incidence in seven cotton-mill villages of South Carolina in 1916.....	1701
Relation of family income and other economic factors to pellagra incidence in seven cotton-mill villages of South Carolina in 1916.....	2673
Great Britain:	
England—Bradford—Anthrax.....	2750
Liverpool—Plague.....	1695
Examination of rats.....	2002
Greece:	
Piraeus—Plague.....	1695, 1743
Quarantine against ports, by Italy.....	2537
Greenburg, Leonard—The dust hazard in the wet and dry grinding shops of an ax factory.....	2393

H.

	Page.
Haiti—Public health service established—Feb. 26, 1919.....	1782
Harrison drug act:	
Ambulatory treatment of drug addicts considered violation of Pennsylvania law by State department of health.....	2914
Court decision—United States Supreme Court construes section 2 of.....	3077
Hart, John W.—The present status of venereal disease clinics.....	2779
Hastings, A. Baird—Some phases of protein catabolism and fatigue.....	2445
Hay-fever—Seasons, causes and geographical distribution of, and resorts in the United States—Scheppegrrell.....	2241
Hawaii. (<i>See Summary of disease cases reported monthly by States.</i>)	
Health authorities—State and insular—1920 directory.....	1843
Health officers—City directory—1920—In cities of 10,000 or more population	1598
Health work—Traveling publicity campaigns in.....	2570
Hill, Alice M.—Psychiatric studies of delinquents—Part V—Conclusions and recommendations.....	1593
Honduras—Tegucigalpa—Cerebrospinal meningitis.....	1642
Hookworm—Australia—Campaign against infection.....	2601
Horton, Theodore—Outbreak of gastroenteritis and typhoid fever caused by pollution of public water supply at Schenectady, N. Y.....	2549
Hospitals:	
Immigration—California—San Francisco—Yellow fever.....	2935
St. Anthony's—California—Oakland—Outbreak of botulism—Geiger.....	2858
Howard, L. O.—Mosquitoes and bats.....	1789

I.

Idaho:	
(<i>See also Summary of disease cases reported monthly by States.</i>)	
Bancroft—Bannock County—Rocky Mountain spotted or tick fever.....	1681
Boise—Anthrax.....	2869
Cerebrospinal meningitis.....	2348
Lane—Anthrax.....	2726
Lethargic encephalitis.....	2172
Rocky Mountain spotted or tick fever.....	1873
Smallpox.....	1684, 1875, 2178, 2362, 2587
Typhoid fever.....	1687, 1878, 2180, 2367, 2589
Illinois:	
(<i>See also Summary of disease cases reported monthly by States.</i>)	
Actinomycosis.....	1807, 2106, 2348, 2638, 3049
Anthrax.....	1613, 2348
Bloomington—Smallpox.....	2525
Cerebrospinal meningitis.....	1614, 1807, 2106, 2348, 2638
Chicago—Rabies.....	1873
Current State morbidity summaries.....	1609,
1672, 1719, 1765, 1803, 1864, 1930, 1979, 2062, 2103, 2167, 2212, 2277, 2345, 2411, 2471, 2516, 2573, 2635, 2723, 2793, 2866, 2923, 2976, 3046, 3110, 3175	
Evanston—Lethargic encephalitis.....	2929
Influenza.....	1808, 2350, 2639
Leprosy.....	2108
Lethargic encephalitis.....	1616, 2108, 2351, 2640
Malaria.....	1616, 1809, 2108, 2351, 2641
Pellagra.....	2111, 2355
Poliomyelitis.....	1621, 1813, 2113, 2358, 2645
Smallpox.....	1626, 1820, 2118, 2362, 2647
Typhoid fever.....	1632, 1825, 2121, 2367, 2649
Immigration hospital—California—San Francisco—Yellow fever.....	2935
India:	
Madras Presidency—Anthrax.....	1836
Rangoon—Influenza.....	2601
Indiana:	
(<i>See also Summary of disease cases reported monthly by States.</i>)	
Cerebrospinal meningitis.....	1614, 1807, 2414
Current State morbidity summaries.....	1610,
1673, 1720, 1766, 1804, 1864, 1980, 2062, 2168, 2213, 2277, 2345, 2411, 2517, 2573, 2723, 2793, 2866, 2923, 2976, 3046, 3110, 3175	

	Page.
Indiana—Continued.	
Indianapolis—Leprosy.....	2928
Poliomyelitis.....	1621, 1813, 2418
Smallpox.....	1628, 1821, 2420
Typhoid fever.....	1632, 1825, 2422
Venereal disease incidence at different ages—Tabulation of 8,413 case reports—King and Sydenstricker.....	3091
Indo-China:	
Cholera.....	2602, 2813, 2942
Influenza.....	2603, 2813, 2942
Plague.....	2602, 2813, 2942
Rat destruction.....	2603
Smallpox.....	2602, 2813, 2942
Industrial employees:	
(See also Industrial establishments.)	
Award under compensation act for disease contracted in caring for other employees—California—Court decision	3172
Diseases prevalent among steel workers in a Pennsylvania city—Brundage..	3163
Sickness and absenteeism among, in industrial establishments during 1919..	2143
Sickness frequency among—Prevalence during first half of year 1920.....	2897
Industrial establishments:	
(See also Industrial employees; Employees, industrial.)	
Sickness and absenteeism in, during 1919—Brundage.....	2143
Industry—Strength tests in—Martin.....	1895
Infant mortality and birth statistics—United States registration area—1919.....	2465
Infant-welfare and maternity centers—Establishment of—Investigations in Missouri.....	1715
Infantile paralysis. (See Poliomyelitis.)	
Infectious diseases:	
(See also Communicable diseases.)	
Jamaica—Reported prevalent.....	2132, 2298, 2491, 2603, 2661, 2814, 2943, 2994, 3128, 3193
Influenza:	
(See also Summary of disease cases reported monthly by States.)	
Arkansas.....	1676, 1808, 2171, 2350, 2578
Australia—Sydney.....	2132
California.....	1615, 1867, 2107, 2281
China—Hongkong.....	2601, 2813
City reports for week ended—	
June 12, 1920.....	1615
June 19, 1920.....	1677
June 26, 1920.....	1723
July 3, 1920.....	1769
July 10, 1920.....	1808
July 17, 1920.....	1867
July 24, 1920.....	1935
July 31, 1920.....	1983
Aug. 7, 1920.....	2067
Aug. 14, 1920.....	2108
Aug. 21, 1920.....	2171
Aug. 28, 1920.....	2216
Sept. 4, 1920.....	2281
Sept. 11, 1920.....	2350
Sept. 18, 1920.....	2415
Sept. 25, 1920.....	2475
Oct. 2, 1920	2521
Oct. 9, 1920	2579
Oct. 16, 1920	2640
Oct. 23, 1920	2728
Oct. 30, 1920	2797
Nov. 6, 1920.....	2870
Nov. 13, 1920.....	2928
Nov. 20, 1920.....	2980
Nov. 27, 1920.....	3050
Dec. 4, 1920.....	3114
Dec. 11, 1920.....	3179
Comparative study of State regulations for control of—Feezer.....	2155

	Page.
Influenza—Continued.	
Cyprus—Summary, 1919.	2189
Finland.	1836, 2537, 2884
Florida.	2067
Gibraltar—Made notifiable—Reported prevalence.	1742
Illinois.	1808, 2107, 2350, 2639
India—Rangoon.	2601
Indo-China.	2603, 2813, 2942
Japan—October, 1918-January, 1919.	2815
Jugo-Slavia—Feb. 1-June 12, 1920.	2298
Maryland.	1808, 1983, 2350, 2578
Minnesota.	1615, 2067, 2578
Mississippi.	1615, 1867, 2107, 2350, 2640
New Jersey.	2578
New Mexico.	2797
New Zealand.	2132
Auckland.	1643
Dunedin.	1643, 1743, 1836
Ohio.	1935, 2350, 2727
Porto Rico.	2884
Switzerland—1918, 1919.	1744
Turkey—Constantinople.	2189
Union of South Africa—	
Cape Town.	2603
Durban.	2491
Wisconsin.	1769, 2107, 2281, 2520
Institute on venereal-disease control and social hygiene—Washington, D. C.—	
Nov. 22-Dec. 4, 1920.	2714
Iowa:	
(See also Summary of disease cases reported monthly by States.)	
Cerebrospinal meningitis.	1614, 1866, 2726
Current State, morbidity summaries.	1673, 1720,
1766, 1804, 1864, 1931, 1980, 2062, 2104, 2168, 2213, 2277, 2345, 2411,	
2471, 2517, 2573, 2636, 2723, 2793, 2866, 2923, 2976, 3046, 3110, 3175	
Poliomyelitis.	1621, 2733
Smallpox.	1628, 1875, 2221, 2363, 2735
Italy:	
Island of Sicily—Catania—Plague.	1743
Quarantine against ports in Greece.	2537
J.	
Jamaica:	
Alastrim.	2132, 2298, 2491, 2603, 2661, 2814, 2943, 2994, 3128, 3193
Chicken pox.	2298, 2491
Cowpox.	2132, 2298, 2491, 2603, 2661, 2814, 2943, 2994, 3128, 3193
Kaffir milkpox.	2132, 2298, 2491, 2603, 2661, 2814, 2943, 2994, 3128, 3193
Varioloid—Disease resembling, present in.	2132,
	2298, 2491, 2603, 2661, 2814, 2943, 2994, 3128, 3193
Japan:	
Influenza—October, 1918-January, 1919.	2815
Kobe—Morbidity and mortality—January-August, 1920.	2814
Mortality—	
Average age at time of death—1886-1913.	2815
Leprosy, 1916.	2815
Proportional, 1916.	2814
Rate—1908-1917.	2814
Osaka—Morbidity and mortality—January-July, 1920.	2815
Taiwan (Formosa)—	
Cholera.	2750
Mortality—1916-1918.	2994
Tuberculosis.	2815
Java—Batavia:	
Convention of Far Eastern Association of Tropical Medicine—August, 1921.	2403
Plague—Port declared infected.	2298
Jugo-Slavia:	
Influenza—Fe ^r , 1-June 12, 1920.	2298
Smallpox—Feb. 1-June 12, 1920.	2298
Typhus fever—Feb. 1-June 12, 1920.	2298

K.

	Page.
Kaffir milkpox—Jamaica.....	2132, 2298, 2491, 2603, 2661, 2814, 2943, 2994, 3128, 3193
Kansas:	
(See also Summary of disease cases reported monthly by States.)	
Cerebrospinal meningitis.....	1676, 1807, 2106, 2414, 2727
Current State morbidity summaries.....	1610,
1673, 1720, 1766, 1804, 1864, 1931, 1980, 2062, 2104, 2168, 2471,	
2517, 2573, 2636, 2723, 2793, 2866, 2923, 2976, 3046, 3110, 3175	
Lethargic encephalitis.....	1677, 2415, 2980
Malaria.....	1809, 2109, 2415, 2728
Pellagra.....	1678, 1811, 2110, 2730
Poliomyelitis.....	2114, 2418, 2733
Smallpox—Vaccination history.....	1681, 1814, 2115, 2419, 2734
Typhoid fever.....	1687, 1825, 2122, 2422, 2738
Keatley, Harry W.—Acid burns on hands of soldiers—Experience at Curtis Bay General Ordnance Depot, Baltimore, Md.	2161
Kentucky:	
Covington—Rabies in animals.....	3183
Morbidity, report for week ended—	
June 19, 1920.....	1612
June 26, 1920.....	1675
July 3, 1920.....	1722
July 10, 1920.....	1768
July 17, 1920.....	1805
July 24, 1920.....	1865
July 31, 1920.....	1933
Aug. 7, 1920.....	1982
Aug. 14, 1920.....	2064
Aug. 21, 1920.....	2105
Aug. 28, 1920.....	2170
Sept. 4, 1920.....	2214
Sept. 11, 1920.....	2279
Sept. 18, 1920.....	2347
Sept. 25, 1920.....	2413
Oct. 2, 1920.....	2473
Oct. 9, 1920.....	2519
Oct. 16, 1920.....	2575
Oct. 23, 1920.....	2637
Oct. 30, 1920.....	2725
Nov. 6, 1920.....	2795
Nov. 13, 1920.....	2868
Nov. 20, 1920.....	2925
Nov. 27, 1920.....	2978
Dec. 4, 1920.....	3048
Dec. 11, 1920.....	3112
Dec. 18, 1920.....	3177
King, Mary L.—Venereal disease incidence at different ages.	3091
King, Wilford I.—Method of classifying families according to incomes in studies of disease prevalence.	2829
Knight, C. P.—Progress report on field investigations in child hygiene in the State of Missouri to June 30, 1920.	3141

L.

Laws:

Eugenic marriage—Has no extraterritorial effect—Wisconsin—Court decision.....	1801
Nuisance abatement—Held constitutional—Wisconsin—Court decision.....	1800
Relating to care of tuberculous patients—New York.....	1926
Leake, J. P.:	
Further note on outbreak of typhoid fever at Hopewell, Va.....	2273
High incidence of typhoid in small epidemic—Virginia—Hopewell.....	2197
Leprosy:	
Arkansas—Hot Springs.....	1677
California.....	2108
Los Angeles.....	1769, 1868, 2067, 2108, 2171, 2217
Ontario—San Bernardino County.....	1868

	Page.
Leprosy—Continued.	
California—Continued.	
Salinas.....	2108
San Francisco.....	2108
Colorado—Lincoln County.....	2797
Connecticut.....	2171
Epidemiological study of an endemic focus of—Boyd and Fox.....	3007
Florida—Key West.....	2797, 3050
Illinois.....	2108
Indiana—Indianapolis.....	2928
Japan—Mortality, 1918.....	2815
Louisiana—New Orleans.....	1809, 2217, 2351, 2476, 2980, 3179
Maryland—Baltimore.....	2067
Massachusetts—Boston.....	2521
Mississippi.....	2108
Biloxi.....	2476
Mortality—Japan, 1916.....	2815
New Jersey—	
Orange.....	2108
West Orange.....	2797, 2928
New Mexico—Silver City.....	2351
New York—New York.....	2281
North Dakota—Crystal Springs.....	1809
Texas—Galveston.....	2797
Treatment of—Use of chaulmoogra oil—McDonald, Dean.....	1959
Virginia—Norfolk.....	2870
Lethargic encephalitis:	
California.....	1616, 1868, 2108, 2281, 2476, 2980
City reports for week ended—	
June 12, 1920.....	1616
June 19, 1920.....	1677
July 3, 1920.....	1769
July 24, 1920.....	1935
July 31, 1920.....	1984
Aug. 7, 1920.....	2067
Aug. 14, 1920.....	2108
Aug. 21, 1920.....	2172
Sept. 4, 1920.....	2281
Sept. 25, 1920.....	2476
Oct. 9, 1920.....	2579
Nov. 6 and 13.....	2929
Nov. 20, 1920.....	2980
Dec. 4, 1920.....	3114
Dec. 11, 1920.....	3180
Connecticut.....	1616, 1868, 2476, 2728, 2798, 3114
District of Columbia.....	2870
Florida.....	2067, 2217, 2798
Idaho.....	2172
Illinois.....	1616, 2108, 2351, 2640
Evanston.....	2929
Kansas.....	1677, 2415, 2980
Louisiana.....	2579
Maine.....	1868, 2640
Maryland.....	1809, 1984, 2351, 2579, 2929, 3180
Nebraska.....	2798
New York.....	2067, 2351, 2579, 2870
Oregon.....	1868, 2217, 2929
Pennsylvania.....	1616, 2067, 2281
Rhode Island.....	1616, 3180
Switzerland—January-June, 1920.....	2943
Texas—Galveston.....	2579
Liberia—Monrovia—Smallpox—Epidemic.....	3063
Licenses—Ordinance requiring milk dealers to secure, uphold—North Carolina—Court decision.....	1801
Live stock—Rôle of, in malaria prophylaxis.....	2464

Louisiana:	Page.
(See also Summary of disease cases reported monthly by States.)	
Anthrax.....	2065, 2348, 2577
Cerebrospinal meningitis.....	1807, 2066, 2348, 2577
Current State morbidity summaries.....	1610, 1673, 1720, 1766, 1804, 1864, 1931, 1980, 2062, 2104, 2168, 2213, 2277, 2345, 2411, 2471, 2517, 2573, 2636, 2723, 2793, 2866, 2923, 2976, 3046, 3110, 3175
Lethargic encephalitis.....	2579
Malaria.....	1809, 2068, 2352, 2580
New Orleans—	
Leprosy.....	1809, 2217, 2351, 2476, 2980, 3179
Plague.....	1619, 1679, 1726
Quarantine station—Yellow fever.....	2274
Pellagra.....	1811, 2069, 2355, 2581
Poliomyelitis.....	1813, 2072, 2583
Quarantine—Yellow fever.....	2182
Smallpox.....	1822, 2075, 2363, 2587
Typhoid fever.....	1826, 2077, 2368, 2589
Lumsden, L. L.—Cooperative rural health work of the Public Health Service in the fiscal year 1920.....	2329

Mc.

McCoy, G. W.—Utility of antiplague vaccines and serums.....	1647
McDonald, J. T.—Treatment of leprosy.....	1959

M.

Maine:	
(See also Summary of disease cases reported monthly by States.)	
Anthrax.....	2796
Cerebrospinal meningitis.....	2638
Court decision—Danger from flies.....	1763
Current State morbidity summaries.....	1610, 1673, 1720, 1766, 1804, 1864, 1931, 1980, 2062, 2104, 2168, 2213, 2277, 2345, 2411, 2471, 2517, 2573, 2636, 2723, 2793, 2866, 2923, 2976, 3016, 3110, 3175
Lethargic encephalitis.....	1868, 2640
Malaria.....	2641
Poliomyelitis.....	2645
Smallpox.....	1875, 2617
Typhoid fever.....	1878, 2651

Malaria:	
(See also Summary of disease cases reported monthly by States.)	
Alabama.....	1724, 1984, 2351, 2579
Arkansas.....	1677, 1809, 2172, 2351, 2579
California.....	1616, 1868, 2108, 2281
Can the mosquito convey infection from a patient undergoing treatment?	
Does sporogony affect mosquito life?—Mayne.....	1664
City reports for week ended—	
June 12, 1920.....	1617
June 19, 1920.....	1678
June 26, 1920.....	1725
July 3, 1920.....	1770
July 10, 1920.....	1810
July 17, 1920.....	1869
July 24, 1920.....	1936
July 31, 1920.....	1984
Aug. 7, 1920.....	2068
Aug. 14, 1920.....	2110
Aug. 21, 1920.....	2173
Aug. 28, 1920.....	2217
Sept. 4, 1920.....	2282
Sept. 11, 1920.....	2354
Sept. 18, 1920.....	2415
Sept. 25, 1920.....	2476
Oct. 2, 1920.....	2522
Oct. 9, 1920.....	2580

Malaria—Continued.	Page.
City reports for week ended—	
Oct. 16, 1920.....	2642
Oct. 23, 1920.....	2729
Oct. 30, 1920.....	2798
Nov. 6, 1920.....	2871
Nov. 13, 1920.....	2929
Nov. 20, 1920.....	2981
Nov. 27, 1920.....	3050
Dec. 4, 1920.....	3114
Dec. 11, 1920.....	3180
Colorado.....	1677
Connecticut.....	1616, 1868, 2172, 2476, 2728
Cyprus—Results of antimalarial measures in.....	2165
Delaware.....	2108, 2728
Florida.....	1724, 2068, 2217, 2520
Illinois.....	1616, 1809, 2108, 2351, 2641
Kansas.....	1809, 2109, 2415, 2728
Louisiana.....	1809, 2068, 2352, 2580
Maine.....	2641
Maryland.....	1810, 1984, 2352, 2580
Massachusetts.....	1724, 1984, 2281, 2476
Minnesota.....	2580
Mississippi.....	1616, 1868, 2109, 2352, 2641
Montana.....	2415
New Jersey.....	1617, 1869, 2068, 2415, 2580
New Mexico.....	2109, 2353, 2798
Ohio.....	1724, 1935, 2353, 2728
One or more species of parasites—Review of recent work on—Mayne.....	2848
Oregon.....	2641
Pennsylvania.....	1617, 2353
Possibilities of using mosquito traps in antimalarial work—Metz.....	1974
Rhode Island.....	2353, 2580
Rôle of live stock in prophylaxis.....	2464
South Carolina.....	1617, 1810, 2110, 2353, 2641
Sumatra—Belawan—Prevention of, on vessels.....	2133
Texas.....	1935
Treatment of—Moss and Mayne.....	3082
Turkey—Samsoun—Pernicious.....	2231
Virginia.....	1724, 1869, 2172, 2353, 2728
Malta fever:	
Arizona.....	1725
New Mexico.....	2354, 2798
Texas—San Angelo.....	2798
Marriage—Eugenic law has no extraterritorial effect—Wisconsin—Court decision.....	1801
Martin, E. G.—Strength tests in industry.....	1895
Maryland:	
(See also Summary of disease cases reported monthly by States.)	
Baltimore—	
Anthrax.....	1768
Leprosy.....	2067
Cerebrospinal meningitis.....	1807, 1982, 2348
Current State morbidity summaries.....	1610, 1673, 1720, 1766, 1804, 1931, 1980, 2063, 2104, 2168, 2213, 2277, 2345, 2411, 2471, 2517, 2573, 2636, 2723, 2793, 2867, 2923, 2976, 3046, 3110, 3175
Influenza.....	1808, 1983, 2350, 2352
Lethargic encephalitis.....	1809, 1984, 2351, 2579, 2929
Malaria.....	1810, 1984, 2352, 2580
Pellagra.....	2581
Poliomyelitis.....	1813, 1987, 2358, 2583
Smallpox—Vaccination history.....	1817, 1989, 2360, 2585
Typhoid fever.....	1826, 1992, 2368, 2590
Typhus fever.....	2595

	Page.
Massachusetts:	
(See also Summary of disease cases reported monthly by States.)	
Actinomycosis.....	1982, 2474
Anthrax.....	2474, 2796
Boston—Leprosy.....	2521
Cerebrospinal meningitis.....	1722, 1982, 2280, 2475
Current State morbidity summaries.....	1610, 1673, 1720, 1766, 1804, 1864, 1931, 1980, 2062, 2104, 2168, 2213, 2277, 2345, 2411, 2471, 2517, 2574, 2636, 2723, 2793, 2867, 2924, 2977, 3046, 3110, 3175
Lowell—Anthrax.....	2726
Malaria.....	1724, 1984, 2281, 2476
Pellagra.....	1725, 1985, 2282
Poliomyelitis.....	1728, 1987, 2284, 2479
Reciprocal notification of disease cases.....	2413
Smallpox—Vaccination history.....	1989
Typhoid fever.....	1733, 1992, 2289, 2482
Wrentham—Norfolk County—Pellagra.....	2477
Maternity and infant welfare centers—Establishment of—Investigations in Missouri.....	1715
Mayne, Bruce:	
Can the mosquito convey infection from a malaria patient undergoing treatment? Does sporogony affect mosquito life?.....	1664
One or several species of malaria parasites?—Review of recent work on.....	2846
Studies in the treatment of malaria.....	3082
Measles:	
(See also Summary of disease cases reported monthly by States.)	
City reports for week ended—	
June 12, 1920	1635
June 19, 1920	1688
June 26, 1920	1736
July 3, 1920	1776
July 10, 1920	1829
July 17, 1920	1882
July 24, 1920	1944
July 31, 1920	1995
Aug. 7, 1920	2082
Aug. 14, 1920	2126
Aug. 21, 1920	2183
Aug. 28, 1920	2224
Sept. 4, 1920	2292
Sept. 11, 1920	2376
Sept. 18, 1920	2425
Sept. 25, 1920	2485
Oct. 2, 1920	2530
Oct. 9, 1920	2595
Oct. 16, 1920	2655
Oct. 23, 1920	2742
Oct. 30, 1920	2806
Nov. 6, 1920	2877
Nov. 13, 1920	2935
Nov. 20, 1920	2987
Nov. 27, 1920	3056
Dec. 4, 1920	3121
Dec. 11, 1920	3186
Paraguay—Ascuncion—April-June, 1920.....	1951
Medical profession and notifiable diseases—Bowman.....	2503
Meningitis:	
(See also Cerebrospinal meningitis.)	
Spain—	
Madrid.....	2088
Seville.....	2002
Messer, Richard—High incidence of typhoid in small epidemic—Virginia—Hopewell.....	2197
Method of classifying families according to income in studies of disease prevalence—Sydenstricker and King.....	2829
Metz, C. W.—Possibilities of using mosquito traps in antimalarial work.....	1974

Mexico:	Page.
Campeche—Yellow fever—On vessel Yumuri, on arrival.....	2601
Puerto Mexico—Yellow fever.....	2189
San Luis Potosi—Cerritos—Plague.....	2816
Tampico—	
Quarantine against, by Cuba.....	1782
Quarantine measures against, on account of yellow fever, to be enforced at Gulf and South Atlantic ports of the United States.....	2432
Yellow fever.....	2750
Tuxpam—Yellow fever.....	2750
Vera Cruz—	
Plague—	
Infected rodent found.....	2750
Summary of.....	1743
Yellow fever.....	1643
Michigan:	
(See also Summary of disease cases reported monthly by States.)	
Poliomyelitis.....	1680, 2072, 2358, 2583
Smallpox.....	1684, 1822, 2075, 2363, 2587
Typhoid fever.....	1687, 1826, 2077, 2369, 2590
Typhus fever.....	2595
Milk:	
Ordinance requiring dealers to be licensed upheld—North Carolina— Court decision.....	1801
Pasteurization ordinance upheld—Wisconsin—Court decision.....	1801
Reconstructed—Stevenson, Peck, Rhynus, Phelps.....	2011
Standards—Report of National Commission of New York Milk Committee on, 1920.....	2955
Minnesota:	
(See also Summary of disease cases reported monthly by States.)	
Anthrax.....	1613, 2348
Cerebrospinal meningitis.....	1614, 1807, 2066, 2348, 2577
Current State morbidity summaries.....	1610, 1673, 1720, 1766, 1804, 1864, 1931, 1980, 2062, 2104, 2168, 2213, 2277, 2345, 2412, 2472, 2517, 2574, 2636, 2724, 2794, 2867, 2924, 2977, 3047, 3111, 3175
Goodhue County—Anthrax.....	1807
Influenza.....	1615, 2067
Malaria.....	2580
Pellagra.....	2069
Poliomyelitis.....	1621, 2072, 2358, 2583
Reciprocal notification of disease cases.....	1613, 1806, 2065, 2347, 2576, 2926, 3177
Smallpox—Vaccination history.....	1623, 1817, 2073, 2360, 2585
Typhoid fever.....	1633, 1827, 2078, 2369, 2591
Mississippi:	
(See also Summary of disease cases reported monthly by States.)	
Anthrax.....	2106, 2348
Biloxi—Leprosy.....	2476
Cerebrospinal meningitis.....	1614, 1866, 2106, 2638
Current State morbidity summaries.....	1610, 1673, 1720, 1767, 1804, 1864, 1931, 1980, 2062, 2104, 2168, 2213, 2277, 2345 2412, 2472, 2517, 2574, 2636, 2724, 2794, 2867, 2924, 2977, 3047, 3111, 3175
Influenza.....	1615, 1867, 2350, 2639
Leprosy.....	2108
Malaria.....	1616, 1868, 2109, 2352, 2641
Pellagra.....	1618, 1870, 2110, 2355, 2642
Poliomyelitis.....	1621, 2114, 2358, 2645
Smallpox.....	1629, 1875, 2119, 2364, 2647
Typhoid fever.....	1633, 1878, 2123, 2370, 2651
Missouri:	
Child hygiene—	
Establishment and control of health centers.....	1795
Progress report on field investigations to June 30, 1920—Knight.....	3141
St. Louis—Typhus fever.....	2425
Montana:	
(See also Summary of disease cases reported monthly by States.)	
Actinomycosis—May, 1920.....	1613
Anthrax.....	2414

	Page.
Montana—Continued.	
Butte—Anthrax.....	2279
Cerebrospinal meningitis.....	1614, 1807, 2170, 2414
Current State morbidity summaries.....	1610,
1673, 1767, 1804, 1864, 1931, 1980, 2062, 2104, 2168, 2278, 2345, 2412	
2472, 2517, 2574, 2636, 2724, 2794, 2867, 2924, 2977, 3047, 3111, 3176	
Hamilton—	
Poliomyelitis.....	2524
Ravalli County—Rocky mountain spotted or tick fever.....	2418
Malaria.....	2415
Missoula—Rocky Mountain spotted or tick fever.....	1681, 2073, 2286, 2360
Poliomyelitis.....	1813, 2176, 2418, 2584
Rocky Mountain spotted or tick fever.....	1621, 1814, 2177
Smallpox—Vaccination history.....	1625, 1819, 2177, 2420, 2586
Typhoid fever.....	1633, 1827, 2180, 2423, 2591
Morbidity:	
Diseases prevalent among steel workers in a Pennsylvania city—Brundage.	3163
District of Columbia—Week ended—	
Nov. 20, 1920.....	2925
Nov. 27, 1920.....	2978
Dec. 4, 1920.....	3048
Dec. 11, 1920.....	3112
Dec. 18, 1920.....	3177
Frequency among industrial employees—Prevalence during first half of year 1920.....	2897
Industrial statistics.....	2785
Sickness and absenteeism in industrial establishments during 1919—Brundage.....	2143
Morbidity and mortality:	
Japan—	
Kobe—January-August, 1920.....	2814
Osaka.....	2815
Mortality:	
Average age at time of death—Japan—1886-1913.....	2815
Japan—Taiwan Island (Formosa)—1916-1918.....	2994
Leprosy—Japan—1916.....	2815
Proportional—1916—Japan.....	2814
Rate—Japan—1908-1917.....	2814
Vaccination and smallpox—Scotland—Glasgow.....	2970
Mosquitoes:	
Biological investigation of California rice fields relative to breeding—Purdy.....	2556
Campaign for elimination—Straits Settlements—Singapore.....	2603
Can they convey infection from a malaria patient undergoing treatment? Does sporogony affect life of?—Mayne.....	1664
Possibilities of using traps in antimalarial work—Metz.....	1974
Mosquitoes and bats—Howard.....	1789
Moss, Mildred M.—Studies in the treatment of malaria.....	3082
Mustard, H. S.—Outline of rural health administration in Rockbridge County, Va.....	2309
N.	
Narcotics—Court decision—United States Supreme Court construes section 2 of Harrison Act.....	3077
Nebraska:	
<i>(See also Summary of disease cases reported monthly by States.)</i>	
Cerebrospinal meningitis.....	1768, 1982, 2280, 2519
Court decision—Physicians permitted to disclose existence of communicable diseases to protect others.....	1928
Current State morbidity summaries.....	1610,
1673, 1720, 1767, 1804, 1864, 1932, 1981, 2063, 2104, 2169, 2213, 2278, 2346, 2412, 2472, 2517, 2574, 2636, 2724, 2794, 2867, 2924, 2977, 3047, 3111, 3176	
Lethargic encephalitis.....	2798
Omaha—Anthrax.....	3113
Poliomyelitis.....	2285, 2525
Smallpox.....	1773, 1989, 2287, 2526
Typhoid fever.....	1775, 1993, 2289, 2528

	Page.
Neoarsphenamine—The effect of shaking aqueous solutions in the presence of air—Roth.....	2203
New Hampshire—Manchester—Anthrax.....	2519
New Jersey:	
(See also Summary of disease cases reported monthly by States.)	
Anthrax.....	2065
Bloomfield—Anthrax.....	2979
Cerebrospinal meningitis.....	1614, 1866, 2066, 2414, 2577
Current State morbidity summaries.....	1611, 1674, 1720, 1767, 1805, 1865, 1932, 1980, 2062, 2104, 2169, 2213, 2278, 2346, 2412, 2472, 2518, 2574, 2636, 2724, 2794, 2867, 2924, 2977, 3047, 3111, 3176
Influenza.....	2578
Malaria.....	1617, 1869, 2068, 2415, 2580
New Brunswick—Anthrax.....	1934
Orange—Leprosy.....	2108
Poliomyelitis.....	1621, 2072, 2418, 2584
Rabies.....	1773
Smallpox—Vaccination history.....	1625, 1874, 2074, 2420
Trichinosis.....	2589
Typhoid fever.....	1633, 1879, 2078, 2423, 2592
West Orange—Leprosy.....	2797, 2928
New Mexico:	
(See also Summary of disease cases reported monthly by States.)	
Actinomycosis.....	2796
Bernalillo—Sandoval County—Pellagra.....	2798
Cerebrospinal meningitis.....	2106
Colfax County—Rocky Mountain spotted or tick fever.....	2801
Current state morbidity summaries.....	1611, 1674, 1721, 1767, 1865, 1932, 1981, 2063, 2104, 2169, 2213, 2278, 2346, 2412, 2472, 2518, 2574, 2636, 2724, 2794, 2867, 2924, 2977, 3047, 3111, 3176
Influenza.....	2797
Malaria.....	2109, 2353, 2798
Malta fever.....	2354, 2798
Pellagra.....	2111
Silver City—Leprosy.....	2351
Smallpox—Vaccination history.....	2117, 2361, 2802
Typhoid fever.....	2123, 2370, 2804
New York:	
(See also Summary of disease cases reported monthly by States.)	
Anthrax.....	2065, 2106, 2348, 2577
Binghamton—Anthrax.....	3178
Cerebrospinal meningitis.....	2066, 2348, 2577
Current State morbidity summaries.....	1611, 1674, 1721, 1767, 1865, 1932, 1981, 2063, 2105, 2169, 2213, 2278, 2346, 2412, 2472, 2518, 2574, 2637, 2724, 2794, 2867, 2924, 2977, 3047, 3111, 3176
Law relating to care of tuberculous patients.....	1926
Lethargic encephalitis.....	2067, 2351, 2579, 2870
New York—	
Anthrax.....	2215, 2414, 3113
Leprosy.....	2281
Typhus fever.....	2081
Poliomyelitis.....	2072, 2359, 2584
Schenectady—Outbreak of gastroenteritis and typhoid fever caused by pollution of public water supply—Horton.....	2549
Smallpox—Vaccination history.....	2074, 2362, 2586
Typhoid fever.....	2078, 2370, 2592
New Zealand:	
Anthrax—Measures against importation of.....	1836
Auckland—Influenza.....	1643
Dunedin—Influenza.....	1643, 1743, 1836
Influenza.....	2132
North Carolina:	
(See also Summary of disease cases reported monthly by States.)	
Cerebrospinal meningitis.....	1614, 1807, 1982, 2348, 2638
Court decision—Ordinance requiring milk dealers to be licensed upheld..	1801

	Page.	
North Carolina—Continued.		
Current State morbidity summaries.....	1611,	
1674, 1721, 1767, 1805, 1865, 1932, 1981, 2063, 2105, 2169, 2214, 2278, 2412, 2472, 2518, 2574, 2637, 2724, 2794, 2867, 2924, 2977, 3047, 3111		
Pellagra in the mountains of Yancey County—Wheeler.....	2509	
Poliomyelitis.....	1987, 2359, 2645	
Smallpox.....	1629, 1822, 1989, 2364, 2647	
Typhoid fever.....	1633, 1827, 1993, 2371, 2652	
North Dakota:		
(See also Summary of disease cases reported monthly by States.)		
Cerebrospinal meningitis.....	2638	
Crystal Springs—Leprosy.....	1809	
Poliomyelitis.....	2645	
Smallpox.....	1629, 1822, 2119, 2364, 2648	
Typhoid fever.....	1634, 1827, 2123, 2372, 2652	
Notifiable diseases:		
(See also Communicable diseases.)		
Prevalence—In cities of 100,000 population during 1919.....	3018	
Why reports should be made by medical profession—Bowman.....	2503	
Nuisances—Abatement law held constitutional—Wisconsin—Court decision.....	1800	
 O.		
Ohio:		
(See also Summary of disease cases reported monthly by States.)		
Cerebrospinal meningitis.....	1723, 1934, 2348, 2726	
Current State morbidity summaries.....	1611,	
1674, 1767, 2063, 2346, 2724, 2794, 2925, 2977, 3047		
Influenza.....	1935, 2350, 2727	
Malaria.....	1724, 1935, 2353, 2728	
Oberlin—Lorain County—Typhoid fever.....	1942	
Poliomyelitis.....	1728, 1939, 2359, 2733	
Smallpox.....	1729, 1939, 2364, 2735	
Typhoid fever.....	1733, 1942, 2372, 2739	
Oregon:		
(See also Summary of disease cases reported monthly by States.)		
Cerebrospinal meningitis.....	2216, 2638	
Defeat of antivaccination and antivivisection measures.....	3040	
Lethargic encephalitis.....	1868, 2217, 2929	
Malaria.....	2641	
Poliomyelitis.....	2645	
Rocky Mountain spotted or tick fever.....	1873	
Smallpox.....	1629, 1875, 2221, 2420, 2648	
Typhoid fever.....	1634, 1879, 2223, 2423, 2652	
 P.		
Pacific coast—Defeat of antivaccination and antivivisection measures on		3040
Paraguay—Asuncion—Measles—April-June, 1920.....	1951	
Parasites—Malaria—One or several species?—Review of recent work on—		
Mayne.....	2848	
Peck, George C.—Studies of reconstructed milk.....	2011	
Pellagra:		
(See also Summary of disease cases reported monthly by States.)		
Alabama.....	1725, 1985, 2355, 2581	
Arkansas.....	1678, 1810, 2173, 2355, 2581	
California.....	1618, 1870, 2110, 2282	
City reports for week ended—		
June 12, 1920.....	1618	
June 19, 1920.....	1678	
June 26, 1920.....	1725	
July 3, 1920.....	1770	
July 10, 1920.....	1811	
July 17, 1920.....	1870	
July 24, 1920.....	1936	
July 31, 1920.....	1985	
Aug. 7, 1920.....	2069	

Pellagra—Continued.

	Page.
City reports for week ended—	
Aug. 14, 1920.....	2111
Aug. 21, 1920.....	2174
Aug. 28, 1920.....	2218
Sept. 4, 1920.....	2282
Sept. 11, 1920.....	2356
Sept. 18, 1920.....	2416
Sept. 25, 1920.....	2477
Oct. 2, 1920.....	2522
Oct. 9, 1920.....	2581
Oct. 16, 1920.....	2643
Oct. 23, 1920.....	2730
Oct. 30, 1920.....	2798
Nov. 6, 1920.....	2871
Nov. 13, 1920.....	2929
Nov. 20, 1920.....	2981
Nov. 27, 1920.....	3051
Dec. 4, 1920.....	3115
Dec. 11, 1920.....	3180
District of Columbia.....	2282
Florida.....	1725, 2069, 2218, 2522
Illinois.....	2111, 2355
In the mountains of Yancey County, N. C.—Wheeler.....	2509
Incidence in relation to sex, age, season, occupation, and "disabling sickness" in seven cotton-mill villages of South Carolina during 1916—Goldberger, Wheeler, Sydenstricker.....	1650
Kansas.....	1678, 1811, 2110, 2730
Louisiana.....	1811, 2069, 2355, 2581
Maryland.....	2581
Massachusetts.....	1725, 1985, 2282
Wrentham—Norfolk County.....	2477
Minnesota.....	2069
Mississippi.....	1618, 1870, 2110, 2355, 2642
New Mexico.....	2111
Bernalillo—Sandoval County.....	2798
Pennsylvania.....	2355
Relation of factors of a sanitary character to incidence in seven cotton-mill villages of South Carolina in 1916—Goldberger, Wheeler, Sydenstricker, Tarbett.....	1701
Relation of family income and other economic factors to incidence in seven cotton-mill villages of South Carolina in 1916—Goldberger, Wheeler, Sydenstricker.....	2673
South Carolina.....	1618, 1811, 2111, 2355, 2642
Texas.....	1936
Virginia.....	1725, 1870, 2173, 2355, 2730
Pennsylvania:	
(See also Summary of disease cases reported monthly by States.)	
Ambulatory treatment of drug addicts considered violation of State anti-narcotic law.....	2914
Anthrax.....	1613, 2279
Cerebrospinal meningitis.....	1614, 2066, 2280, 2348
Diseases prevalent among steel workers in a city in—Brundage.....	3163
Lethargic encephalitis.....	1616, 2067, 2281
Malaria.....	1617, 2353
Pellagra.....	2355
Philadelphia—Anthrax.....	1934, 2519, 2638
Poliomyelitis.....	1621, 2072, 2285, 2359
Rabies.....	2220, 2646
Smallpox.....	1629, 2075, 2287, 2364
Typhoid fever.....	1634, 2079, 2289, 2372
Pernicious malaria—Turkey—Samsoun.....	2231
Peru:	
Callao—Yellow fever—Case removed from steamship Huallaga.....	1642
Plague—March—April, 1920.....	1643
Yellow fever—March—April, 1920.....	1643

	Page.
Phelps, Earle B.—Studies of reconstructed milk.....	2011
Physicians—Permitted to disclose existence of communicable diseases to protect others—Nebraska—Court decision.....	1928
Pierce, C. C.—Some possibilities in the statistical analysis of case reports of venereal diseases.....	2046
Plague:	
Bacteriological examinations in suspected cases—Circular sent to health officers by public health bureau.....	2164
British East Africa—Mombasa.....	2297
California.....	1619, 1679, 1726
Canary Islands—Las Palmas—Infected rodent found.....	2884
China—Hongkong—Examination of rats.....	1835, 2002, 2537
Conference on situation—Galveston and Beaumont, Tex.....	2097
Cuba—	
Habana—Precautions against importation of.....	1742
Measures to prevent importation ordered.....	1642
Examination of rats—Great Britain—Liverpool.....	2002
Florida—Pensacola.....	1726
Foreign reports—	
Cumulative table.....	1698,
1745, 1785, 1839, 1890, 1954, 2005, 2091, 2137, 2191, 2233, 2301, 2386, 2436, 2494, 2540, 2607, 2665, 2754, 2820, 2887, 2947, 2998, 3066, 3132, 3197	1644,
Weekly table.....	1698,
1696, 1744, 1783, 1837, 1889, 1952, 2003, 2089, 2135, 2189, 2231, 2299, 2383, 2433, 2492, 2538, 2604, 2662, 2751, 2817, 2885, 2944, 2995, 3064, 3129, 3194	1644,
Great Britain—Liverpool.....	1695
Greece—Piraeus.....	1695, 1743
Indo-China.....	2602, 2812, 2942
Italy—Island of Sicily—Catania.....	1743
Java—Batavia—Port declared infected.....	2298
Louisiana—New Orleans.....	1619, 1679, 1726
Mexico—Vera Cruz—Summary of.....	1743
Peru—March-April, 1920	1643
Prevention of—Rat surveys and proofing—Model ordinance for buildings..	2615
Rats infected found—Azores Islands—Ponta Delgada.....	2661
Rodents examined for infection—Cumulative table... 1771, 1812, 1937, 1986, 2070, 2112, 2175, 2219, 2283, 2357	2112, 2175, 2219, 2283, 2357
Rodents found infected—	
Cumulative table.....	1771, 1812,
1871, 1937, 1985, 2070, 2112, 2174, 2219, 2283, 2356, 2416, 2477, 2523, 2582, 2643, 2731, 2799, 2930, 2981, 3051, 3181	1771, 1812,
Mexico—Vera Cruz.....	2750, 3115
Russia—Batum.....	2432
Syria—Beirut—June 30, 1920	2744
Texas—	
Beaumont.....	1726
Galveston.....	1726
Plague, human:	
Azores Islands.....	2491, 2661
Cumulative table.....	1770, 1811,
1871, 1937, 1985, 2069, 2111, 2174, 2218, 2282, 2356, 2416, 2477, 2523, 2581, 2643, 2730, 2799, 2871, 2929, 2981, 3051, 3115, 3180	1818, 1726
Florida—Pensacola.....	2816
Mexico—San Luis Potosi—Cerritos.....	1618, 1726
Texas—	
Beaumont.....	1618, 1678, 1726
Port Arthur.....	1726
Pneumonia:	
City reports for week ended—	
June 12, 1920.....	1619
June 19, 1920.....	1679
June 26, 1920.....	1727
July 3, 1920.....	1772
July 10, 1920.....	1812
July 17, 1920.....	1871
July 24, 1920.....	1938

Pneumonia—Continued.

	Page.
City reports for week ended—	
July 31, 1920.....	1986
Aug. 7, 1920.....	2071
Aug. 14, 1920.....	2112
Aug. 21, 1920.....	2175
Aug. 28, 1920.....	2219
Sept. 4, 1920.....	2283
Sept. 11, 1920.....	2357
Sept. 18, 1920.....	2417
Sept. 25, 1920.....	2479
Oct. 2, 1920.....	2523
Oct. 9, 1920.....	2582
Oct. 16, 1920.....	2644
Oct. 23, 1920.....	2731
Oct. 30, 1920.....	2799
Nov. 6, 1920.....	2872
Nov. 13, 1920.....	2930
Nov. 20, 1920.....	2982
Nov. 27, 1920.....	3052
Dec. 4, 1920.....	3117
Dec. 11, 1920.....	3181

Poisoning—Botulism—California—Oakland. 2577

Poland:

Cholera—Sanitary measures against spread.....	3128
Smallpox—January, 1920.....	2132
Typhus fever—January-March, 1920.....	2133
Warsaw—Cholera.....	2661

Poliomyelitis:

(See also Summary of disease cases reported monthly by States.)

Alabama.....	1987, 2583
Arizona.....	1728
Arkansas.....	1680, 1813, 2583
California.....	1621, 1872, 2113, 2284
Canada—Winnipeg.....	2813

City reports for week ended—

June 12, 1920.....	1621
June 19, 1920.....	1680
June 26, 1920.....	1728
July 3, 1920.....	1773
July 10, 1920.....	1813
July 17, 1920.....	1873
July 24, 1920.....	1939
July 31, 1920.....	1988
Aug. 7, 1920.....	2072
Aug. 14, 1920.....	2114
Aug. 21, 1920.....	2177
Aug. 28, 1920.....	2220
Sept. 4, 1920.....	2285
Sept. 11, 1920.....	2359
Sept. 18, 1920.....	2418
Sept. 25, 1920.....	2478
Oct. 2, 1920.....	2525
Oct. 9, 1920.....	2584
Oct. 16, 1920.....	2646
Oct. 23, 1920.....	2733
Oct. 30, 1920.....	2801
Nov. 6, 1920.....	2874
Nov. 13, 1920.....	2932
Nov. 20, 1920.....	2983
Nov. 27, 1920.....	3053
Dec. 4, 1920.....	3117
Dec. 11, 1920.....	3183
Colorado.....	1987, 2479, 2801
Connecticut.....	1872, 2176, 2479, 2733
Delaware.....	2113
Florida.....	1728, 2072

	Page.
Poliomyelitis—Continued.	
Illinois.....	1621, 1813, 2113, 2358, 2645
Indiana.....	1621, 1813, 2418
Iowa.....	1621, 1872, 2733
Kansas.....	2114, 2418, 2733
Louisiana.....	1813, 2072, 2583
Maine.....	2645
Maryland.....	1813, 1987, 2358, 2583
Massachusetts.....	1728, 1987, 2284, 2479
Michigan.....	1680, 1813, 2072, 2358, 2583
Minnesota.....	1621, 2072, 2358, 2583
Mississippi.....	1621, 2114, 2358, 2645
Montana.....	1813, 2176, 2418, 2584
Hamilton.....	2524
Nebraska.....	2285, 2525
New Jersey.....	1621, 2072, 2418, 2584
New York.....	2072, 2358, 2584
North Carolina.....	1987, 2359, 2645
North Dakota.....	2645
Ohio.....	1728, 1939, 2359, 2733
Oregon.....	2645
Pennsylvania.....	1621, 2072, 2285, 2359
Rhode Island.....	2072, 2359, 2584
South Dakota.....	2114, 2359
Vermont.....	2114, 2525
Virginia.....	1728, 1872, 2176, 2359, 2733
Washington.....	2114, 2645
West Virginia.....	1728, 2285, 2525
Wisconsin.....	1772, 2114, 2285, 2525
Polish armies—Typhus fever.....	2133
Porto Rico—Influenza.....	2884
Principal causes of death among insured wage earners—Comparison of rates by color.....	2918
Protein catabolism and fatigue—Some phases of—Scott, Hastings.....	2445
Psychiatric studies of delinquents:	
Part IV. Some constitutional factors in prostitution—Treadway.....	1575
Part V. Conclusions and recommendations—Treadway, Weldon, and Hill.....	1593
Public health engineering abstracts.....	2631, 2718, 2789, 2861, 2916, 2971, 2040, 3080
Public Health Service:	
Cooperative rural health work of, in the fiscal year 1920—Lumsden.....	2329
Established in Haiti—Feb. 26, 1919.....	1782
Publications recently issued by.....	2403
Purdy, W. C.—Biological investigation of California rice fields relative to mosquito breeding.....	2556

Q.

Quarantine:	
Cuba—Against arrivals from—	
Galveston, Tex.....	1835
Mexico, on account of plague, modified.....	3128
Pensacola, Fla., and Tampico, Mexico, on account of plague.....	1783
Puerto Mexico, Mexico.....	2382
Italy—Against ports in Greece.....	2537
Measures against Tampico, Mexico, on account of yellow fever to be enforced at Gulf and South Atlantic ports of the United States.....	2432
Measures put in force in Samoa.....	1643
Ordered at Cuban ports.....	1642
Venereal disease—California—Court decision.....	2863

R.

Rabies:	
California—Stockton.....	2984
Illinois—Chicago.....	1873
New Jersey.....	1773
Pennsylvania.....	2220, 2646
Rhode Island—Providence.....	2874
South Carolina—Lee County.....	2734

Rabies in animals:	Page.
City reports for week ended—	
June 19, 1920.....	1681
June 26, 1920.....	1728
July 3, 1920.....	1773
July 10, 1920.....	1814
July 17, 1920.....	1873
July 24, 1920.....	1939
July 31, 1920.....	1988
Aug. 7, 1920.....	2072
Aug. 14, 1920.....	2114
Aug. 21, 1920.....	2177
Aug. 28, 1920.....	2220
Sept. 4, 1920.....	2286
Sept. 11, 1920.....	2359
Sept. 18, 1920.....	2418
Oct. 16, 1920.....	2646
Oct. 23, 1920.....	2734
Oct. 30, 1920.....	2801
Nov. 13, 1920.....	2932
Nov. 20, 1920.....	2984
Georgia—Rome.....	3118
Kentucky—Covington.....	3183
Railways—Standard sanitary code.....	1749
Rats:	
(See also Rodents.)	
Information concerning surveys and proofing—Model ordinance for buildings.....	2615
Reciprocal notification of disease cases:	
Connecticut.....	1675, 1933, 2215, 2474, 2726
Massachusetts.....	2413
Minnesota.....	1613, 1806, 2065, 2347, 2576, 2926, 3177
Reconstructed milk—Studies of—Stevenson, Peck, Rhynus, Phelps.....	2011
Regulations—State—Comparison of, for control of influenza—Feezer.....	2155
Relapsing fever:	
China—Hankow.....	1642
Russia—Simferopol.....	2432
Rhode Island:	
(See also Summary of disease cases reported monthly by States.)	
Cerebrospinal meningitis.....	1614, 2066, 2349, 2577
Lethargic encephalitis.....	1616
Malaria.....	2353, 2580
Poliomyelitis.....	2072, 2359, 2584
Providence—Rabies.....	2874
Typhoid fever.....	1634, 1993, 2080, 2373, 2593
Rhodesia—Anthrax—Importation of shaving and tooth brushes from Japan prohibited.....	1743
Rhynus, C. P.—Studies of reconstructed milk.....	2011
Riser, L. A.—Typhoid reduction in South Carolina.....	2628
Robinson, T. J.—Methods of increasing the efficiency of rural sanitation.....	2200
Rocky Mountain spotted or tick fever:	
Idaho.....	1873
Bancroft—Bannock County.....	1681
Montana.....	1621, 1814, 2177
Hamilton—Ravalli County.....	2418
Missoula.....	1681, 2073, 2286, 2360
New Mexico—Colfax County.....	2801
Oregon.....	1873
Washington—May, 1920.....	1621
Wyoming.....	1873
Park County.....	1681
Rodents:	
(See also Rats.)	
Examined for plague infection—Cumulative table.....	1771, 1812, 1937,
	1986, 2112, 2175, 2219, 2283, 2357, 2731, 2872

	Page.
Rodents—Continued.	
Plague infected, found—	
Canary Islands—Las Palmas.....	2884
Cumulative table.....	1771, 1812, 1871, 1937, 1986,
2112, 2174, 2219, 2283, 2356, 2416, 2477, 2523, 2582, 2643, 2930	
Mexico—Vera Cruz.....	2750
Roth, George B.—The effect of shaking alkalized aqueous solutions of arsphenamine and aqueous solutions of neoarsphenamine in the presence of air.....	2203
Rural health administration—Outline of—Virginia—Rockbridge County—Mustard.....	2309
Rural health work—Cooperative—Of the Public Health Service in the fiscal year 1920—Lumden.....	2329
Rural sanitation—Methods of increasing the efficiency of—Robinson.....	2200
Russia:	
Batum—Plague.....	2432
Grodno—Cholera.....	2750
Latvia—Dysentery—Epidemic.....	2231
Simferopol—	
Cholera.....	2432
Relapsing fever.....	2432
Typhus fever.....	2432
Vilna—	
Cholera.....	2750
Province of Lithuania—	
Cholera.....	2432
Dysentery.....	2432
Typhus fever.....	2432

S.

Salvador—Sonsonate—Yellow fever.....	1643, 1743
Samoa—Western Samoa—Quarantine measures ordered to prevent spread of infectious diseases.....	1643
Sanitary codes—Standard railway.....	1749
Sanitary disposal of sewage through a septic tank—Crohurst.....	2959
Sanitation. (<i>See</i> Rural sanitation.)	

Scarlet fever:

(*See also* Summary of disease cases reported monthly by States.)

City reports for week ended—

June 12, 1920.....	1635
June 19, 1920.....	1688
June 26, 1920.....	1736
July 3, 1920.....	1776
July 10, 1920.....	1829
July 17, 1920.....	1882
July 24, 1920.....	1944
July 31, 1920.....	1995
Aug. 7, 1920.....	2082
Aug. 14, 1920.....	2126
Aug. 21, 1920.....	2183
Aug. 28, 1920.....	2224
Sept. 4, 1920.....	2292
Sept. 11, 1920.....	2376
Sept. 18, 1920.....	2425
Sept. 25, 1920.....	2485
Oct. 2, 1920.....	2530
Oct. 9, 1920.....	2595
Oct. 16, 1920.....	2655
Oct. 23, 1920.....	2742
Oct. 30, 1920.....	2806
Nov. 6, 1920.....	2877
Nov. 13, 1920.....	2935
Nov. 20, 1920.....	2987
Nov. 27, 1920.....	3056
Dec. 4, 1920.....	3121
Dec. 11, 1920.....	3186

	Page.
Scheppegrell, William—Seasons, causes and geographical distribution of hay-fever and hay-fever resorts in the United States.....	2241
Scotland—Glasgow—Vaccination and smallpox mortality.....	2970
Scott, Ernest L.—Some phases of protein catabolism and fatigue.....	2445
Septic tank—Use of, as a sanitary method for disposal of sewage—Crohurst.....	2959
Serums and vaccines—Utility of antiplague—McCoy.....	1647
Sewage—Sanitary disposal of, through a septic tank—Crohurst.....	2959
Shaving brushes—Importation from Japan prohibited—Africa—Nigeria.....	2661
Shipment of chemicals for disinfecting water supplies—Telegram sent by Surgeon General to State health officers.....	1761
Sickness and absenteeism—In large industrial establishments during 1919—Brundage.....	2143
Sickness frequency among industrial employees—Prevalence during first half of year 1920.....	2897
Sleep—Requirements of children.....	2463
Smallpox:	
(See also Summary of disease cases reported monthly by States.)	
Alabama.....	1729, 1989, 2362, 2587
Arizona.....	1729, 1989, 2526
Arkansas.....	1684, 1820, 2178, 2362, 2587
British Columbia—Vancouver—On steamship Bradford, on arrival.....	2883
China—Year 1919.....	2382
City reports for week ended—	
June 12, 1920.....	1630
June 19, 1920.....	1685
June 26, 1920.....	1731
July 3, 1920.....	1773
July 10, 1920.....	1823
July 17, 1920.....	1877
July 24, 1920.....	1941
July 31, 1920.....	1990
Aug. 7, 1920.....	2077
Aug. 14, 1920.....	2120
Aug. 21, 1920.....	2179
Aug. 28, 1920.....	2221
Sept. 4, 1920.....	2288
Sept. 11, 1920.....	2364
Sept. 18, 1920.....	2421
Sept. 25, 1920.....	2481
Oct. 2, 1920.....	2526
Oct. 9, 1920.....	2588
Oct. 16, 1920.....	2648
Oct. 23, 1920.....	2736
Oct. 30, 1920.....	2802
Nov. 6, 1920.....	2875
Nov. 13, 1920.....	2932
Nov. 20, 1920.....	2984
Nov. 27, 1920.....	3054
Dec. 4, 1920.....	3118
Dec. 11, 1920.....	3183
Delaware.....	2735
Florida.....	1729, 2526
Foreign reports—	
Cumulative table.....	1698, 1746,
1786, 1840, 1891, 1955, 2006, 2092, 2138, 2192, 2235, 2303, 2387, 2438, 2496, 2542, 2609, 2666, 2755, 2822, 2889, 2948, 3000, 3068, 3134, 3198	
Weekly table.....	1645, 1696, 1744,
1783, 1837, 1889, 1952, 2003, 2089, 2135, 2189, 2231, 2299, 2383, 2434, 2492, 2538, 2604, 2662, 2751, 2817, 2885, 2944, 2996, 3064, 3129, 3194	
Idaho.....	1684, 1875, 2178, 2362, 2587
Illinois.....	1626, 1820, 2118, 2362, 2647
Bloomington.....	2525
Indiana.....	1628, 1821, 2420
Indo-China.....	2602, 2813, 2942
Iowa.....	1628, 1875, 2221, 2363, 2735
Jugo-Slavia—Feb. 1-June 12, 1920.....	2298

	Page.
Smallpox—Continued.	
Liberia—Monrovia—Epidemic.....	3063
Louisiana.....	1822, 2075, 2363, 2587
Maine.....	1875, 2647
Michigan.....	1684, 1822, 2075, 2363, 2587
Mississippi.....	1629, 1875, 2119, 2364, 2647
Nebraska.....	1773, 1989, 2287, 2526
North Carolina.....	1629, 1822, 1989, 2364, 2647
North Dakota.....	1629, 1822, 2119, 2364, 2648
Ohio.....	1729, 1939, 2364, 2735
On vessel—Steamship Bradford, on arrival—British Columbia—Vancouver.....	2883
Oregon.....	1629, 1876, 2221, 2420, 2648
Pennsylvania.....	1629, 2075, 2287, 2364
Poland—January, 1920.....	2132
South Carolina.....	1630, 1822, 2119, 2364, 2648
South Dakota.....	1630, 1876, 2119, 2364, 2587
Syria—Beirut.....	2382
Texas.....	1939
Vaccination and, mortality—Scotland—Glasgow.....	2970
Vaccination histories—	
Arizona.....	2286
California.....	1622, 1874, 2115, 2236
Colorado.....	1681, 1988, 2480, 2802
District of Columbia.....	1989
Florida.....	2073
Kansas.....	1681, 1814, 2115, 2419, 2734
Maryland.....	1817, 1989, 2360, 2585
Massachusetts.....	1989
Minnesota.....	1623, 1817, 2073, 2360, 2585
Montana.....	1625, 1819, 2177, 2420, 2586
New Jersey.....	1626, 1874, 2074, 2420
New Mexico.....	2117, 2361, 2903
New York.....	2074, 2362, 2586
Vermont.....	2526
Virginia.....	1730, 1876, 2178, 2365, 2735
Washington.....	1630, 1823, 2119, 2365, 2648
West Virginia.....	1731, 2075, 2287, 2526
Wisconsin.....	1773, 2119, 2287, 2526
Wyoming.....	1684, 1876, 2420
Smith, Homer W.—Quantitative studies in chemotherapy.....	2264
Social hygiene—Institute on venereal-disease control and—Washington, D. C.—	
Nov. 22-Dec. 4, 1920.....	2714
Solders—Acid burns on hands of—Experience at Curtis Bay General Ordnance Depot, Baltimore, Md.—Keatley.....	2161
South Carolina:	
(See also Summary of disease cases reported monthly by States.)	
Cerebrospinal meningitis.....	1807, 2349, 2638
Lee County—Rabies.....	2734
Malaria.....	1617, 1810, 2110, 2353, 2641
Pellagra.....	1618, 1811, 2111, 2355, 2642
Pellagra incidence in relation to sex, age, season, occupation, and "disabling sickness" in seven cotton-mill villages during 1916—Goldberger, Wheeler, Sydenstricker.....	1650
Relation of factors of a sanitary character to pellagra incidence in seven cotton-mill villages of South Carolina in 1916—Goldberger, Wheeler, Sydenstricker, Tarbett.....	1701
Relation of family income and other economic factors to pellagra incidence in seven cotton-mill villages of, in 1916—Goldberger, Wheeler, Sydenstricker.....	2673
Smallpox.....	1630, 1822, 2119, 2364, 2648
Typhoid fever.....	1634, 1827, 2123, 2373, 2652
Reduction in—Riser.....	2628
South Dakota:	
(See also Summary of disease cases reported monthly by States.)	
Anthrax.....	1613
Cerebrospinal meningitis.....	1614, 1866, 2106

South Dakota—Continued.	Page.
Current State morbidity summaries.....	1611, 1767, 1805,
1865, 1932, 1981, 2063, 2105, 2169, 2214, 2278, 2346, 2412, 2472,	
2518, 2574, 2637, 2724, 2794, 2868, 2925, 2977, 3047, 3111, 3176	
Poliomyelitis.....	2114, 2359
Smallpox.....	1629, 1875, 2119, 2364, 2587
Typhoid fever.....	1634, 1879, 2123, 2373, 2593
Spencer, O. M.—Experiments in control of air dustiness.....	2907
Spain:	
Madrid—Meningitis.....	2088
Seville—Meningitis.....	2002
Standards—Milk—Report of national commission on milk standards of New York milk commission, 1920.....	2955
St. Anthony's Hospital—California—Oakland—Outbreak of botulism—Geiger.	2858
State summaries. (See Names of States.)	
Statistics:	
Birth, and infant mortality—United States registration area—1919.....	2465
Importance of, in venereal disease campaign—Pierce and Sydenstricker.....	2146
Morbidity—Industrial.....	2785
Vaccination and smallpox mortality—Scotland—Glasgow.....	2970
Steel workers—Diseases prevalent among, in a Pennsylvania city—Brundage.	3163
Stevenson, Albert F.—Studies of reconstructed milk.....	2011
Straits Settlements—Singapore—Mosquitoes—Campaign for elimination.....	2603
Strength tests in industry—Martin.....	1895
Sumatra—Belawan—Prevention of malaria on vessels.....	2133
Summary of disease cases reported monthly by States.....	1612, 1675, 1722,
1768, 1806, 1866, 1933, 1982, 2064, 2106, 2170, 2215, 2279, 2347, 2413,	
2473, 2519, 2575, 2638, 2725, 2795, 2869, 2926, 2979, 3049, 3113, 3177	
Switzerland:	
Influenza—1918-19.....	1744
Lethargic encephalitis—January-June, 1920.....	2943
Sydenstricker, Edgar:	
Method of classifying families according to incomes in studies of disease prevalence.....	2829
Pellagra incidence in relation to sex, age, season, occupation, "disabling sickness" in seven cotton-mill villages of South Carolina during 1916.....	1650
Relation of factors of a sanitary character to pellagra incidence in seven cotton-mill villages of South Carolina in 1916.....	1701
Relation of family income and other economic factors to pellagra incidence in seven cotton-mill villages of South Carolina in 1916.....	2673
Some possibilities in the statistical analysis of case reports of venereal diseases.....	2046
Venereal disease incidence at different ages.....	3091
Syria:	
Beirut—	
Plague—June 30, 1920.....	1744
Smallpox.....	2382
Typhus fever.....	2382
T.	
Tarbett, R. E.—Relation of factors of a sanitary character to pellagra incidence in seven cotton-mill villages of South Carolina in 1916.....	1701
Teeth—Children's—A community responsibility—Clark and Butler.....	2763
Tetanus:	
City reports for week ended—	
June 12, 1920.....	1631
June 19, 1920.....	1686
June 26, 1920.....	1732
July 3, 1920.....	1775
July 10, 1920.....	1824
July 17, 1920.....	1878
July 24, 1920.....	1942
July 31, 1920.....	1991
Aug. 7, 1920.....	2077
Aug. 14, 1920.....	2120

	Page.
Tetanus—Continued.	
City reports for week ended—	
Aug. 21, 1920.....	2179
Aug. 28, 1920.....	2222
Sept. 4, 1920.....	2238
Sept. 11, 1920.....	2366
Sept. 18, 1920.....	2421
Sept. 25, 1920.....	2482
Oct. 2, 1920.....	2527
Oct. 9, 1920.....	2588
Oct. 16, 1920.....	2649
Oct. 23, 1920.....	2737
Oct. 30, 1920.....	2803
Nov. 6, 1920.....	2875
Nov. 13, 1920.....	2933
Nov. 20, 1920.....	2985
Nov. 27, 1920.....	3055
Dec. 4, 1920.....	3119
Dec. 11, 1920.....	3184
Texas:	
(See also Summary of disease cases reported monthly by States.)	
Austin—Typhus fever.....	2987
Beaumont—	
Conference on plague situation.....	2097
Plague.....	1726
Plague (human).....	1618, 1678, 1726
Cerebrospinal meningitis.....	1934
Current State morbidity summaries.....	1611, 1674, 1721, 1767, 1805, 1865, 1932, 1981, 2063, 2105, 2169, 2214, 2278, 2346, 2412, 2472, 2518, 2574, 2637, 2724, 2794, 2868, 2925, 2977, 3048, 3111, 3176
El Paso—Typhus fever.....	1995
Galveston—	
Conference on plague situation.....	2097
Leprosy.....	2797
Lethargic encephalitis.....	2579
Plague.....	1726
Quarantine against, by Cuba.....	1835
Malaria.....	1935
Maria—Diphtheria—July 29 and Aug. 2, 1920.....	1867
Pellagra.....	1936
Port Arthur—Plague (human).....	1726
San Angelo—Malta fever.....	2798
Smallpox.....	1939
Temple—Typhus fever.....	2742
Typhoid fever.....	1942
Typhus fever.....	1944
Trachoma:	
Cyprus—Year 1919.....	2189
Traveling publicity campaigns in health work.	2570
Treadway, Walter L.—Psychiatric studies of delinquents:	
Part IV. Some constitutional factors in prostitution.....	1575
Part V. Conclusions and recommendations.....	1593
Trichinosis:	
California—San Francisco.....	2985
Florida.....	2222
New Jersey.....	2589
Tuberculosis:	
City reports for week ended—	
June 12, 1920.....	1635
June 19, 1920.....	1688
June 26, 1920.....	1736
July 3, 1920.....	1776
July 10, 1920.....	1829
July 17, 1920.....	1882
July 24, 1920.....	1944
July 31, 1920.....	1995
Aug. 7, 1920.....	2082

Tuberculosis—Continued.	Page.
City reports for week ended—	
Aug. 14, 1920.....	2126
Aug. 21, 1920.....	2183
Aug. 28, 1920.....	2224
Sept. 4, 1920.....	2292
Sept. 11, 1920.....	2376
Sept. 18, 1920.....	2425
Sept. 25, 1920.....	2485
Oct. 2, 1920.....	2530
Oct. 9, 1920.....	2595
Oct. 16, 1920.....	2655
Oct. 23, 1920.....	2742
Oct. 30, 1920.....	2806
Nov. 6, 1920.....	2877
Nov. 13, 1920.....	2935
Nov. 20, 1920.....	2987
Nov. 27, 1920.....	3056
Dec. 4, 1920.....	3121
Dec. 11, 1920.....	3186
Japan	2815
New York—Law relating to care of patients suffering from	1926
Tuberculous patients—Transportation of—Amendment to quarantine regulations.....	2402
Turkey:	
Constantinople—Influenza	2189
Samson—Malaria—Pernicious	2231
Typhoid fever:	
(See also Summary of disease cases reported monthly by States.)	
Alabama.....	1732, 1992, 2367, 2589
Arizona.....	1733, 1992, 2289, 2528
Arkansas.....	1687, 1825, 2180, 2367, 2589
California.....	1632, 1878, 2121, 2289
Canada—New Brunswick—Bathurst.....	1835
City reports for week ended—	
June 12, 1920.....	1634
June 19, 1920.....	1687
June 26, 1920.....	1735
July 3, 1920.....	1775
July 10, 1920.....	1828
July 17, 1920.....	1880
July 24, 1920.....	1943
July 31, 1920.....	1994
Aug. 7, 1920.....	2080
Aug. 14, 1920.....	2124
Aug. 21, 1920.....	2181
Aug. 28, 1920.....	2223
Sept. 4, 1920.....	2290
Sept. 11, 1920.....	2374
Sept. 18, 1920.....	2424
Sept. 25, 1920.....	2483
Oct. 2, 1920.....	2529
Oct. 9, 1920.....	2593
Oct. 16, 1920.....	2653
Oct. 23, 1920.....	2740
Oct. 30, 1920.....	2804
Nov. 6, 1920.....	2876
Nov. 13, 1920.....	2934
Nov. 20, 1920.....	2985
Nov. 27, 1920.....	3055
Dec. 4, 1920.....	3119
Dec. 11, 1920.....	3185
Colorado	1687, 1992, 2482, 2804
Connecticut	1632, 1878, 2180, 2482, 2737
Delaware	2121, 2737
District of Columbia	1992, 2289
Florida	1733, 2077, 2223, 2528

	Page.
Typhoid fever—Continued.	
High incidence of, in small epidemic—Virginia—Hopewell—Leake and Messer.....	2197
Idaho.....	1687, 1878, 2180, 2367, 2589
Illinois.....	1632, 1825, 2121, 2367, 2649
Indiana.....	1632, 1825, 2422
Kansas.....	1687, 1825, 2122, 2422, 2738
Louisiana.....	1826, 2077, 2368, 2589
Maine.....	1878, 2651
Maryland.....	1826, 1992, 2369, 2590
Massachusetts.....	1733, 1992, 2289, 2482
Michigan.....	1687, 1826, 2077, 2369, 2590
Minnesota.....	1633, 1827, 2078, 2369, 2591
Mississippi.....	1633, 1879, 2123, 2370, 2651
Montana.....	1633, 1827, 2180, 2423, 2591
Nebraska.....	1775, 1993, 2289, 2528
New Jersey.....	1633, 1879, 2078, 2423, 2592
New Mexico.....	2123, 2370, 2804
New York.....	2078, 2370, 2592
North Carolina.....	1633, 1827, 1993, 2371, 2652
North Dakota.....	1634, 1827, 2123, 2372, 2652
Note on outbreak of—Virginia—Hopewell—Leake.....	2273
Ohio.....	1733, 1942, 2372, 2739
Oberlin—Lorain County.....	1942
Oregon.....	1634, 1879, 2223, 2423, 2653
Outbreak of, caused by pollution of public water supply—New York—Schenectady—Horton.....	2549
Pennsylvania.....	1634, 2079, 2289, 2372
Reduction in—South Carolina—Riser.....	2628
Rhode Island.....	1634, 1993, 2080, 2373, 2593
South Carolina.....	1634, 1827, 2123, 2373, 2652
South Dakota.....	1634, 1879, 2123, 2373, 2593
Texas.....	1942
Vermont.....	1828, 2124, 2290, 2528
Virginia.....	1734, 1880, 2180, 2373, 2739
Washington.....	1634, 1828, 2124, 2374, 2653
West Virginia.....	1735, 2080, 2290, 2528
Wisconsin.....	1775, 2124, 2290, 2528
Wyoming.....	1687, 1880, 2423
Typhus fever:	
Chile—	
Concepcion.....	2942
January—February, 1920.....	1835
March—May, 1920.....	2188
June, 1920.....	2382
China—Year 1919.....	2382
Florida.....	2806
Foreign reports—	
Cumulative table.....	1699, 1748,
1783, 1842, 1893, 1957, 2009, 2094, 2140, 2195, 2237, 2305, 2390, 2441, 2499, 2545, 2612, 2670, 2759, 2825, 2893, 2952, 3004, 3072, 3138, 3203	2298
Weekly table.....	1646, 1697, 1745,
1784, 1838, 1889, 1953, 2004, 2090, 2136, 2190, 2232, 2300, 2384, 2434, 2493, 2539, 2605, 2663, 2752, 2818, 2886, 2944, 2996, 3065, 3130, 3195	2595
Jugo-Slavia—Feb. 1—June 12, 1920.....	2595
Maryland.....	2595
Michigan.....	2425
Missouri—St. Louis.....	2081
New York—New York.....	2081
On vessel—	
Steamship Osterley—On arrival at Fremantle, Australia.....	3193
Steamship United States—Sailed from Copenhagen to New York.....	3063
Poland—Jan.—Mar., 1920.....	2133
Polish armies.....	2133
Russia—	
Simferopol.....	2432
Vilna—Province of Lithuania.....	2432

Typhus fever—Continued.

	Page.
Syria—Beirut.....	2382
Texas.....	1944
Austin.....	2987
El Paso.....	1995
Temple.....	2742
Vermont.....	1829

U.

Union of South Africa:

Anthrax.....	1836
Cape Town—Influenza.....	2603
Durban—Influenza.....	2491

United States:

Birth statistics and infant mortality, 1919, in registration area.....	2465
Mortality statistics in registration area.....	2786
Seasons, causes and geographical distribution of hay fever and hay fever resorts in—Scheppegrell.....	2241
Supreme Court decision—Construes section 2 of Harrison antinarcotic act.....	3077
Uruguay—Montevideo—Clean passenger vessels allowed to come to port.....	1783

V.

Vaccination:

Defeat of antivaccination and antivivisection measures on the Pacific coast.....	3040
Smallpox and, mortality—Scotland—Glasgow.....	2970
Vaccine virus—Necessity of low temperature for preservation of.....	1762
Vaccines and serums—Utility of antiplague—McCoy.....	1647
Varioloid—Disease resembling, prevalent in Jamaica.....	2132,
	2298, 2491, 2603, 2661, 2814, 2943, 2994, 3128, 3193

Venereal diseases:

All-America conference—Washington, D. C.—Dec. 6-11, 1920.....	2202
Control activities—	
Institute on, and social hygiene—Washington, D. C.—Nov. 22-Dec. 4, 1920.....	2714
Interest of dentists in.....	1798
Possibilities in the statistical analysis of case reports—Pierce and Sydenstricker.....	2046
Reports of clinics under control of United States Public Health Serv- ice.....	1669, 2101, 2788
Court decision—California—Right to detain and quarantine persons in- fected with, upheld.....	2863
Incidence at different ages—Tabulation of 8,413 case reports in Indiana— King and Sydenstricker.....	3091
Present status of clinics—Hart.....	2779

Vermont:

(See also Summary of disease cases reported monthly by States.)	
Cerebrospinal meningitis.....	2106
Current State morbidity summaries.....	1611, 1674,
1721, 1767, 1805, 1865, 1932, 2063, 2105, 2169, 2214, 2278, 2346, 2412, 2472, 2518, 2574, 2637, 2724, 2794, 2868, 2925, 2978, 3048, 3111, 3176	
Poliomyelitis.....	2114, 2525

Smallpox.....	2526
Typhoid fever.....	1828, 2124, 2290, 2528

Typhus fever.....	1829
-------------------	------

Virgin Islands—Communicable diseases.....

1695, 1951, 2134, 2433, 2816, 2943

Virginia:

(See also Summary of disease cases reported monthly by States.)	
Cerebrospinal meningitis.....	1723, 1866, 2170, 2349, 2726
Current State morbidity summaries.....	1721,

1767, 1805, 1932, 1981, 2063, 2105, 2412, 2473, 2575, 2925, 3048, 3112

Hopewell—	
High incidence of typhoid in small epidemic—Leake and Messer.....	2197
Note on outbreak of typhoid fever—Leake.....	2273

Malaria.....	1724, 1869, 2172, 2353, 2728
--------------	------------------------------

Pellagra.....	1725, 1870, 2173, 2355, 2730
---------------	------------------------------

Poliomyelitis.....	1728, 2176, 2359, 2733
--------------------	------------------------

	Page
Virginia—Continued.	
Rockbridge County—Rural health administration in—Mustard.....	2309
Smallpox.....	1730, 1876, 2178, 2365, 2735
Typhoid fever.....	1734, 1880, 2180, 2373, 2739
Virus—Vaccine—Necessity of low temperature for preservation of.....	1762
Vivisection—Defeat of antivaccination and antivivisection measures on the Pacific coast.....	3040
Voegtlin, Carl—Quantitative studies in chemotherapy.....	2264
 W.	
Wage earners—Principal causes of death among insured—Comparison of rates by color.....	2918
Washington:	
<i>(See also Summary of disease cases reported monthly by States.)</i>	
Anthrax.....	2927
Cerebrospinal meningitis.....	1614, 1807, 2349, 2638
Current State morbidity summaries.....	1611, 1674, 1721, 1805, 1865, 1932, 1981, 2063, 2105, 2169, 2214, 2278, 2346, 2412, 2473, 2518, 2575, 2637, 2724, 2794, 2868, 2925, 2978, 3048, 3176
Poliomyelitis.....	2114, 2645
Rocky Mountain spotted or tick fever—May, 1920.....	1621
Smallpox.....	1630, 1823, 2119, 2365, 2648
Typhoid fever.....	1634, 1828, 2124, 2374, 2653
Water supplies:	
Prompt movement of chemicals assured.....	2059
Shipment of chemicals for disinfecting—Telegram sent by Surgeon General to State health officers.....	1761
Weldon, L. O.—Psychiatric studies of delinquents—Part V—Conclusions and recommendations.....	1593
West Virginia:	
<i>(See also Summary of disease cases reported monthly by States.)</i>	
Anthrax.....	1722, 3113
Cerebrospinal meningitis.....	1723, 2066, 2280, 2519
Current State morbidity summaries.....	1611, 1675, 1721, 1767, 1805, 1865, 1932, 1981, 2063, 2105, 2169, 2214, 2278, 2346, 2412, 2473, 2518, 2575, 2637, 2725, 2795, 2868, 2925, 2978, 3112, 3176
Poliomyelitis.....	1728, 2285, 2525
Smallpox.....	1731, 2075, 2287, 2526
Typhoid fever.....	1735, 2080, 2290, 2528
Wheeler, G. A.:	
Pellagra in the mountains of Yancey County, N. C.....	2509
Pellagra incidence in relation to sex, age, season, occupation, and “disabling sickness” in seven cotton-mill villages of South Carolina during 1916.....	1650
Relation of factors of a sanitary character to pellagra in seven cotton-mill villages of South Carolina in 1916.....	1701
Relation of family income and other economic factors to pellagra incidence in seven cotton-mill villages of South Carolina in 1916.....	2673
Winslow, C.-E. A.—The dust hazard in the wet and dry grinding shops of an ax factory.....	2393
Wisconsin:	
<i>(See also Summary of disease cases reported monthly by States.)</i>	
Cerebrospinal meningitis.....	1768, 2106, 2280, 2519
Court decisions—	
Eugenic marriage law has no extraterritorial effect.....	1801
Milk pasteurization ordinance upheld.....	1801
Nuisance abatement law held constitutional.....	1800
Current State morbidity summaries.....	1611, 1675, 1721, 1768, 1805, 1865, 1932, 1981, 2063, 2105, 2169, 2214, 2278, 2346, 2413, 2473, 2518, 2575, 2637, 2725, 2795, 2868, 2925, 2978, 3048, 3112, 3176
Influenza.....	1769, 2107, 2281, 2520
Poliomyelitis.....	1772, 2114, 2285, 2525
Smallpox.....	1773, 2119, 2287, 2526
Typhoid fever.....	1775, 2124, 2290, 2528
Wright, Katherine D.—Quantitative studies in chemotherapy.....	2264

Wyoming:	Page.
(See also Summary of disease cases reported monthly by States.)	
Park County—Rocky Mountain spotted or tick fever.....	1681
Rocky Mountain spotted or tick fever.....	1873
Smallpox.....	1684, 1876, 2420
Typhoid fever.....	1687, 1880, 2423

Y.

Yellow fever:	
California—San Francisco—Immigration hospital.....	2935
Colombia—Buenaventura.....	1742
Foreign reports—	
Cumulative table.....	1700, 1748, 1788; 1842, 1894, 1958, 2009, 2095, 2142, 2196, 2239, 2307, 2392, 2442, 2501, 2547, 2614, 2672, 2761, 2827, 2895, 2954, 3006, 3074, 3140, 3205
Weekly table.....	1646, 1698, 1745, 1785, 1838, 1889, 1953, 2004, 2090, 2136, 2190, 2232, 2300, 2385, 2435, 2493, 2539, 2605, 2663, 2752, 2818, 2945, 2997, 3130, 3195
Louisiana—	
New Orleans—Quarantine station.....	2274
Quarantine.....	2182
Mexico—	
Puerto Mexico.....	2189
Tampico.....	2750
Tuxpam.....	2750
Vera Cruz.....	1642
On vessel—	
Haraldshaug—Florida—Pensacola.....	2376, 2382
Yumuri—Mexico—Campeche.....	2601
Peru—	
Callao—Case removed from steamship Huallaga.....	1642
March-April, 1920.....	1643
Salvador—Sonsonate.....	1643, 1743

ADDITIONAL COPIES

OF THIS PUBLICATION MAY BE PROCURED FROM
THE SUPERINTENDENT OF DOCUMENTS
GOVERNMENT PRINTING OFFICE
WASHINGTON, D. C.

AT

5 CENTS PER COPY
SUBSCRIPTION PRICE, 82 CENTS PER YEAR

▼

1 h

